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**HIGH ANGLE OF ATTACK
AERODYNAMICS BY EXCITATION
OF THE LOCKED LEESIDE VORTEX**



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ABSTRACT

The control of flow over a multi-component wing at large incidence has been investigated. At large incidence angles flow over the wing upper surface becomes fully separated. The wing geometry was considered critical in management of flow energy through organization of vorticity and controlling its shedding on the wing upper surface. A flat plate wing, with the planform of a F-15 wing, was reconfigured to accommodate the locked vortex. Spanwise blowing was used to initiate and/or to increase the strength of the vortical flow. It was anticipated that in this manner an excited, stable, concentrated and strong vortex would be created on the wing. Using flow visualization as well as force measurements it was found that the presence of the locked vortex favorably changed the flow pattern over the wing. Force measurements indicated moderate improvements on most configurations. One configuration, however, demonstrated significant improvements. The improved results are considered preliminary; however, they may be of tremendous potential. A listing of the complete data is included as Appendix B.

I. INTRODUCTION AND BACKGROUND

FUTURE COMBAT AIRCRAFTS do need the capability of maneuvering at high incidence with controllability to bring the craft into a position of advantage. "*The most difficult design problems prevail in the 30°-50° angle of attack regime. Beyond 50 degrees flight and control conditions are primarily ruled by thrust rather than aerodynamic support or disturbances*" (1).*

Production of lift at large angles of 30°-50° is a very challenging problem by itself. This very problem is the basis for this paper. The capability to perform maneuvers at moderate speeds but at high incidence angles is a major step which requires further in depth attention.

Natural phenomena associated with high angle of attack flights are *flow separation* and the *unsteadiness* associated with it. In the classical aerodynamics, precisely these very two flow features have been considered to be degrading factors. Flow separation and unsteadiness are avoided constantly by traditional aerodynamicists and aircraft designers by limiting streamlined profiles at low angles of attack. As the necessity for flight at higher angles of attack becomes evident, utilizing various means to suppress such flow degradations still dominate this traditional way of thinking. As a consequence, with heuristic efforts one has paid dearly with diminishing return. Controlled flight at high speeds and at high incidence angles is not readily possible. At high angles, the effectiveness of aerodynamic surfaces are significantly reduced due to flow separation.

Since flow separation and the associated unsteadiness are dominating flow features at high angles of attack, then if possible, it could be more fruitful to turn these phenomena to our advantage than to suppress them. Ideally one would like to organize the flow separation and unsteadiness *in a controlled manner* such that they could actually serve to our advantage. This requires innovative thinking in readdressing wings to produce controllable aerodynamic forces at very high angles of attack. In order to achieve this goal, a drastic departure from basic conventional thinking becomes essential. One must *search for viscous flow dominated* new configurations! Unsteady viscous effects in flows

* Numbers in parentheses designate references at end of paper.

inherently lead us to realize that the governing physical phenomena must be approached thoroughly.

We have seen a dawn-light in the horizon, for instance, the Kasper flap concept (2) in the 1970's and widely used strakes and canards for modern fighters to achieve better performance at moderate angles of attack. We have come to realize that by proper utilization of vortex flow, a well-controlled and managed separated flow, can produce higher lift amplitude than the conventional attached flow! The question is then finding means to control and to manage the leeside flow at high angles of attack.

It is essential to note that with no (or small) extra power input, the only possible means of improving the performance of an airfoil/wing at large incidence angles beyond stall is to reduce the random energy contained in the wake. If there is any possibility in accomplishing this, it is through passive or active enhancement and *organized interactions* using the flow energy properly.

Considering uniform approaching flow over a flat-plate (airfoil) at large incidence angle, see Figure 1, at the downstream, flow is fully separated, with vortices shedding from the leading and trailing edges. Flow speed (Reynolds number) dominates the frequency of shedding which in turn dictates the energy contained in each of the shed vortices. These vortices are wasting useful energy by the fact that they are carrying energy "randomly" away to the far field. If by any means one could contain these vortices in the neighborhood of the body, the energy of such vortices would become useful, if they could be directed and organized into specifically prescribed paths. For example, one could devise a technique to recombine the vortices up to a desired strength without allowing them to *float* away and to maintain that strength on the upper surface by feeding it with the new vorticity which is continuously being formed on the body. In other words, to create and excite a large coherent vortex and maintain the excited state using the energy of the flow itself, is the essence of our approach.

To shed some light into the flow physics, a brief review of a few related classic papers is given below. Hurley (3) successfully demonstrated the possibility of creating a locked vortex on an airfoil. He had anticipated to make the separated flow, from the leading

edge, to reattach and stay attached to the upper surface of a forward facing flap. He used streamwise blowing from the forward flap to stabilize the reattachment point. He labeled his work free streamline airfoil flow, which in effect represents a locked vortex on the upper surface.

Westesson and Claréus (4) used strong spanwise blowing to create and stabilize vortical flow on the upper surface of a specially designed wing with leading and trailing edge flaps. They also showed that by sweeping the wing leading edge the blowing rate required was significantly reduced.

Erickson and Campbell (5) carried out many similar tests and with the aid of visualization identified the presence of a pair of co-rotating vortices on the upper surface of a 45° swept wing. They also made quantitative measurements indicating high lift coefficients as a result of upper surface locked vortices. Rossow (6) and Werlé and Gallon (7) have also performed related experiments and obtained similar results.

Limited theoretical models have also been presented, by a few authors, which attack the locked vortex on the upper surface of certain geometrically accommodating wings in two dimensional, steady and inviscid manner. Hurley (3), Rossow (6), Saffman and Sheffield (8), and Tanveer (9) belong to the above theoretical works. The works by Saffman have special significance, since they conclude the importance of geometry in a unique manner to create an equilibrium vortex position. These types of vortices are inherently three dimensional and therefore without this consideration the models could not be realistic. Three dimensional wing geometries do naturally produce spanwise flow, therefore, once a vortex is established on such wings it could be made stable and strong with little excitations.

Vakili (10) experimentally demonstrated a locked vortex using periodic suction. In a preliminary and simplified experiment, periodic suction from the wing tip region of a 45° swept wing in a uniform flow in the water tunnel resulted in the elimination of total flow separation on the wing which persisted when no suction was present. This wing had a trapezoidal planform composed of three segments and configured uniquely, see Figure 2. The suction at the wing tip region resulted in the creation of a vortex on the upper surface of the wing which remained there for a certain period of time even once the suction

was stopped. And then, before the flow started to return to full separation the suction was activated and the vortex was further maintained over the wing in this manner. This experiment was video taped and is therefore documented in visual form as a preliminary demonstration technique to use the axial excitation for the flow control and vortex control of separated flows around three dimensional wings at high incidence angles.

This work had an extra significance in that it exploits and demonstrates the basic unsteady coupling mechanisms and the significance of geometry which are inherently required in developing such vortex flows. The coupling of unsteady perturbations and excitations with vortex flows have been demonstrated through the governing equations of flow theoretically and also experimentally by many authors (11-13).

II. TECHNICAL DISCUSSIONS

Aerodynamic forces are the result of vorticity and vortices which are generated by solid surfaces. In steady attached flows, lift and drag are attributed to the boundary layer vorticity and the Prandtl's "bound vortex". For highly swept leading edge slender wing, additional lift is realized as a result of a detached vortex generated by the leading edge. One may decompose the aerodynamic forces to be the result of attached flows (bound vortex) and detached flow (leading edge type vortex).

At large incidence angles we must realize that due to the lack of flow attachment one of the contributing components has diminished. The detached vortex force components may also deteriorate should the vortex either burst or if its path lies far away from the surface. There are two possibilities in order to overcome these difficulties. First, the obvious approach, is by trying to suppress the flow separation. Even though this may be difficult or impossible to accomplish, as will become clear later, it may not be the optimal approach. Second, approach is to enhance the detached vortex lift component. Therefore, the problem can be apparently viewed as a means to strengthen the leading edge vortex, position it over the wing, "locked vortex", and prevent its burst.

For a free vortex in steady axisymmetric incompressible flow, using cylindrical coordinates x, r, ϕ with velocity components u, v and w respectively, if the axial gradients are small compared with radial gradients and $v \ll u$, then it can be shown that $\frac{1}{\rho} \frac{\partial p}{\partial r} = \frac{w^2}{r}$ (14). That is: for an incompressible steady vortex, the axial velocity component u is coupled with the azimuthal component w solely through the axial variation of centrifugal force. Batchelor identified this effect as the key to the understanding of either the inviscid generation of strong axial motion or their subsequent modification (indirectly) by viscosity. The decay of the swirling motion is to increase the pressure in the vortex core and consequently to decrease the axial velocity there.

In an unsteady manner similar relationship is expected to exist, that is: we can extend the above idea to quasi-unsteady flows. The utility of this concept in terms of excitation of a vortex using periodicity in the axial direction over a wing was discussed earlier.

The purpose of this study was to demonstrate that by proper design of geometry, a

strong and naturally excited locked vortex may be created, resulting in large lift on the reconfigured wings.

III. EXPERIMENTAL PROCEDURE

WIND TUNNEL – All of the wind tunnel experiments were performed in The University of Tennessee Space Institute (UTSI) low speed wind tunnel. This facility is an open circuit, closed test section, continuous wind tunnel. The test section measures 35.6cm x 50.1cm x 107cm (14 inches x 20 inches x 42 inches) height, width, and length respectively. Tunnel velocities range from 6.1 to 60.5m/sec (20 to 200ft/sec). Data acquisition is managed by a minicomputer specially designed for this purpose. Almost all of the tests were performed at one selected tunnel speed 100ft/sec and Reynolds number of 0.6×10^6 /length. Forces and moments measurement were made using a six component sting-balance.

WATER TUNNEL – The UTSI water tunnel is a closed circuit continuous flow facility especially designed for quality flow visualization. The circuit of the tunnel lies in a horizontal plane. The tunnel is powered by an electric motor connected via a continuously variable transmission to a twin-bladed propeller in the return leg of the tunnel circuit. The transmission permits continuous variation in propeller rotational speed and continuous velocity variation from 2.5cm/sec to 50cm/sec (1in/sec to 20in/sec). The turbulence level in the test section is lower than 0.1%. The test section is 30.5cm high 45.7cm wide and 150cm long (12 inches x 18 inches x 60 inches). All walls of the test section are made of Plexiglas for versatility in observing and photographing the flowfield.

MODEL – The innovative and exploratory nature of this study prerezisted a significant level of flexibility in the model geometry. In order to maintain geometrical simplicity and to accommodate necessary three dimensional features, a flat-plate wing model was selected with the planform of the F-15 wing. This model was composed of modular sections as shown in Figure 3.

The model is made of three principal components with the flexibility of changing the individuals components dimensions while preserving the same overall planform. The spacing between these three components were adjustable. The model was made of aluminum with the supports and adjustments made from steel. The model was supported by a sting mounted balance through the side of the tunnel. The sting was mounted to a machinist turntable with the capacity of continuous incident angles setting of 0° to 360° . A splitter

plate separated the root portion of the model from tunnel wall boundary layer and ensured a uniform flow over the entire model. In order to support the leading edge slat and the trailing edge flap as well as to allow relative settings, the mounting system shown in Figure 4 was designed and manufactured. This arrangement allowed the use of a single balance to measure the forces on all the three components.

Many configurations, Figure 5, were tested. Variations of the relative incidence and gap of the leading edge slat were accomplished with selected changes in the jet location. Table I, shows the parameters for each configuration tested.

Originally, it was anticipated that periodic translation and/or rotational motions should be imparted to the leading edge slat and the trailing edge flap. However, due to experimental difficulties there were no measurements made with such motions incorporated. A spanwise jet was incorporated to help stabilize the upper surface vortex.

IV. RESULTS AND DISCUSSIONS

As a first step to incorporate the concept into wings and flight, we needed to gain more physical insight by attempting to investigate a *basic problem* which is expected to be less complex with fewer degrees of freedom. Three dimensional flow over a modular swept flat-plate wing at large incidence angle incorporating (periodic) spanwise blowing satisfied most of the requirements.

The experimental efforts were divided into two steps. First flow visualization was used to select a basic configuration based on the best observed flow pattern. Second, the selected configuration was tested in the wind tunnel. Observations in the water tunnel were very educational, since effects of any changes on the model was readily visible with minimum delay. Even though Reynolds number and Mach number effects were not simulated, the correspondence between the wind tunnel flowfield and that of water tunnel has been shown to be qualitatively good.

The models tested in the water tunnel were made of plexiglas and therefore could be easily reconfigured. The starting model was a flat-plate, following the earlier configuration by Vakili (10), with the exception of having a F-15 wing planform. Many different configurations were tested, and for each case the location where jet was issued from was varied. The leading edge slat had to be curved, so that at moderate angles flow did not separate on it. It became apparent through flow visualization that the corner near the wing and the upward deflected flap resulted in the best effects of trapping a vortex.

At $\alpha \simeq 45^\circ$ incidence angle while the flow was separated over most of the wing the leading edge vortex was visible, even though in a weak form, but bursted in a short distance downstream. With continuous blowing (jet diameter $d_j = 0.125$ inches), the leading edge vortex was strengthened and at the mid wing it was reoriented in the spanwise direction, merged with the jet trapped vortex and exited from the wing tip region into the mainstream flow. As a result of blowing, flow on the reconfigured wing appeared to be induced by the jet vortex and followed the wing in an organized and orderly manner. Increase in jet blowing coefficient, C_μ , resulted in improved flowfield.

Typical flow visualization for the best configuration are depicted in photographs in

Figure 6. The schematic drawing in Figure 7 demonstrates the streamlines of two dye traces (shown in Figure 6) and the path they follow over the airfoil. Flow visualization using smoke was also attempted in the wind tunnel, however, with poor quality. Flow qualitatively appeared to be similar to that of the water tunnel tests.

Intermittent blowing at proper frequencies resulted in nearly the same flow pattern. The strong vortex, created by the jet, remained on the wing for a while, once the jet was turned off. Which indicated that there was a certain inertia associated with the vortex, very similar to the previous observations by us. If the blowing frequency was right, then the jet reinforced the vortex in time, and the flow pattern could be maintained without much distortion which resembled that of attached flow created by continuous blowing. The time period associated with the vortex inertia, identified a frequency which must be associated with the dynamics and stability of the vortex flow over the wing.

A jet with smaller diameter ($d_j = 0.0625$ inches) was used at the same locations of the earlier jet, to evaluate the effects of momentum coefficient and mass flow on the strength of circulation created by the jet over the upper surface of the reconfigured wing. It appeared that the smaller diameter jet was more effective at the same mass flow rate. However, this corresponded to a higher jet blowing momentum coefficient C_μ , and was in agreement with C_μ effect. Where $C_\mu = \frac{m_j V_j}{q_s}$, and

m_j is the jet mass flow per second

V_j is the jet exit velocity

q is the freestream dynamic pressure

s is the wing surface.

A tube was used to locate the jet issuing point further outboard, as shown in Figure 7. This extension increased the jet effectiveness by creating a stronger vortex. This also appeared similar to an effective increase in the jet blowing momentum coefficient. In all of these experiments, the jet was positioned one diameter above the wing at the point where the flap joined the center portion of the wing.

The general configuration of the wing and the location of the jet were determined based on the water tunnel flow visualization. The configuration which resulted in the

strongest vortex, confined to the upper surface, was selected to be tested in the wind tunnel. There were however additional flexibilities built into the wind tunnel model to allow some adjustments in the relative location of the jet, the leading edge slat and the flap with respect to the main wing. The slat could be adjusted in streamwise, normal to streamwise and along a pitch axis through its leading edge.

Figure 5 shows the basic wind tunnel model information. Table I shows the relative dimensions of various configurations tested. Since the model was not a contoured F-15 airfoil, all the measured results are compared with a reference baseline configuration, which is obtained by setting the slat and the flap at zero relative angle to each other.

Lift and drag coefficients obtained for the reference baseline configuration are shown in Figure 8. Clearly, this is not typical performance values for a clean F-15 configuration. It is only used as a basis for judging the improvements obtained. It is hypothesised that the results of this study could be related to other similar wings with contoured geometries. Most of the configurations tested, resulted only in moderate improvements as shown in Figure 9. As can be seen, blowing was mostly effective at higher angles especially at post stall incidence angles even for the baseline configuration.

Many jet locations were also investigated in the wind tunnel tests. At each location the jet was oriented to be issued along the local sweep angle in the spanwise direction. When the jet effect was being investigated, a series of runs were made and the data were not analyzed till this paper was being prepared. Only then it was discovered that the measured values for one configuration showed a tremendous increase in aerodynamic forces. Similar results were obtained for two sequential runs, which involved a tunnel shut down for jet adjustments. Figure 10 shows these results, as can be seen C_L values of up to 6 to 7.5 are measured at angles of near 50° for these two runs. Had the authors known about these results before disassembling the experiment, we would have repeated those runs and verified these results. But, there was no opportunity to do so, especially since the six components balance was returned to the WPAFB. It is with reservation that we include these data in this paper.

However, this is exactly the type of performance improvements, we have been antici-

pating. Such results could be obtained by proper design of configurations to accommodate a locked vortex on the wing. In addition, using flow control concepts, such a vortex can be strengthened by periodic excitations to maximize the locked vortex lift. Such excitations could be passively present in the flow, the wake of the slat could be feeding energy into the locked vortex in the present configurations. The physical mechanism to provide an excited locked vortex is apparently in place. However, further detail knowledge is required to identify the key variables and their relationship.

Plots of selected runs are presented in Appendix A with the listing of the complete data given in Appendix B.

V. CONCLUSIONS

This investigation is a feasibility study of creating a forced locked vortex on the leeside of a wing. It was the objective of this study to design a configuration, which can accommodate a locked vortex and to further enhance that vortex by the aid of a spanwise blowing jet. It was also anticipated that, using shear flow control concepts, the locked vortex could be strengthened using active or passive excitations.

Flow visualization results were used to reconfigured a wing for a strong locked vortex on the wing leeside. Forces and moments on this model were measured in the wind tunnel. The performance of the wing was improved due to configurational changes in comparison with no changes. The improved aerodynamics were obtained in the angle of attack range up to 55 degrees. Typical plots of data are presented and discussed.

- The following observations are made:
- Visualizations made in the water tunnel were used to develop understanding of the flow physics and selection of the wind tunnel model.
- A wing with the planform of F-15 wing was reconfigured to help accommodate and stabilize a leeside vortex which was created by a continuous spanwise blowing jet.
- The vortex persisted to exist, for a short time, even after the blowing was turned-off. Therefore, it was found that periodic blowing, at the proper frequency, was as effective as continuous blowing at effectively reduced C_{μ} .
- Force measurements in the wind tunnel, showed moderate performance improvements due to the configuration changes.
- Blowing was most effective at post stall incidence angles from a jet port just upstream of the flap hinge, one diameter above the wing.
- Significant performance improvements were measured for one configuration during two separate tests. Indicating the possible accomplishment of the excited locked vortex state. However, these data are being presented as preliminary and need verification to ensure the validity of these results.

VI. REFERENCES

1. Herbst, W. B., "Future Fighter Technologies," *J. Aircraft*, Vol. 17, No. 8, pp. 561-566, Aug. 1980.
2. Kasper, W. A. 1979 The Kasper Wing, Meheen Corp.
3. Hurley, D. G. "The use of Boundary-Layer Control to Establish Free Streamline Flows," *Adv. Aero. Sci.* 2, 662, 1959.
4. Westesson, R. A. and Claréus, V., "Turbulent Lift Comments on Some Preliminary Wind Tunnel Tests," Saab Scania Report TP-74-51.
5. Erickson, G. E. and Campbell, J. F., "Flow Visualization of Vortices Locked by Spanwise Blowing Over Wings Featuring a Unique Leading Edge and Trailing Edge Flap System," *NASA TMX-72788*, 1976.
6. Rossow, V. J., "Lift Enhancement by an Externally Trapped Vortex," *AIAA Paper 77-672*, see also *J. Aircraft* 1978, 15, 618, 1976.
7. Werlé, H. & Gallon, M., "Study of Hydrodynamic Visualizations of Various Processes for Controlling Separated Flows," *La Rech. Aéro.* (1976) No. 2, 75.
8. Saffman, P. G. and Sheffield, J. S., "Flow Over a Wing with an Attached Free Vortex," *Stu. Appl. Math.* 57, 107, 1977.
9. Saffman, P. G. and Tanveer, S. 1984, "Vortex Induced Lift on Two Dimensional Low Speed Wings," *Stud. Appl. Math.* 71, 65.
10. Vakili, A. D., "Organizing Shear Flows by Excitation and Tunable Boundaries," proposal, unpublished, April, 1985.
11. Reynolds, W. C. and Car, L. W., "Review of Unsteady Driven Separated Flows," *AIAA Paper 85-0527*.
12. Hussain, A. K. M. F., "Large-Scale Organized Motions In Jets and Shear Layer," In: *Recent Advances in Aerodynamics* New York, Springer-Verlag, 1986, p. 205-262.
13. Ho, C. M. and P. Huerre, "Perturbed Free Shear Layers," *Ann. Rev. Fluid Mech.* 16, pp. 365-424, 1984.
14. Batchelor, G. K., "Axial Flow in Trailing Line Vortices," *J.F.M.* 1964, Vol. 20, Part 4, pp. 645-658.

Table I. Range of Variables Studied

Run #	α_s	L_1	L_3	α	δ	L_j
8-13	34.0	0.49	0.180	-6 to 50	-16 to 15	0.00
14-19	34.0	0.59	0.170	-6 to 50	-15 to 15	0.00
20-25	28.0	0.45	0.145	-6 to 50	-15 to 15	0.00
26-29	28.0	0.45	0.145	-6 to 50	-30 to 0	0.00
42-44	20.5	0.55	0.100	40 to 50	-30 to 30	0.00
45-50	31.6	0.53	0.195	40 to 50	-30 to 30	0.00
52-56	28.0	0.46	0.125	0 to 55	-30 to 30	0.92
64-67	28.0	0.46	0.125	0 to 55	-30 to 30	0.92
68-73	28.7	0.46	0.130	0 to 55	-15 to 15	0.08
74-78	28.7	0.46	0.130	0 to 55	-15 to 15	0.65

Jet diameter = 0.125
(all dimensions are in inches)

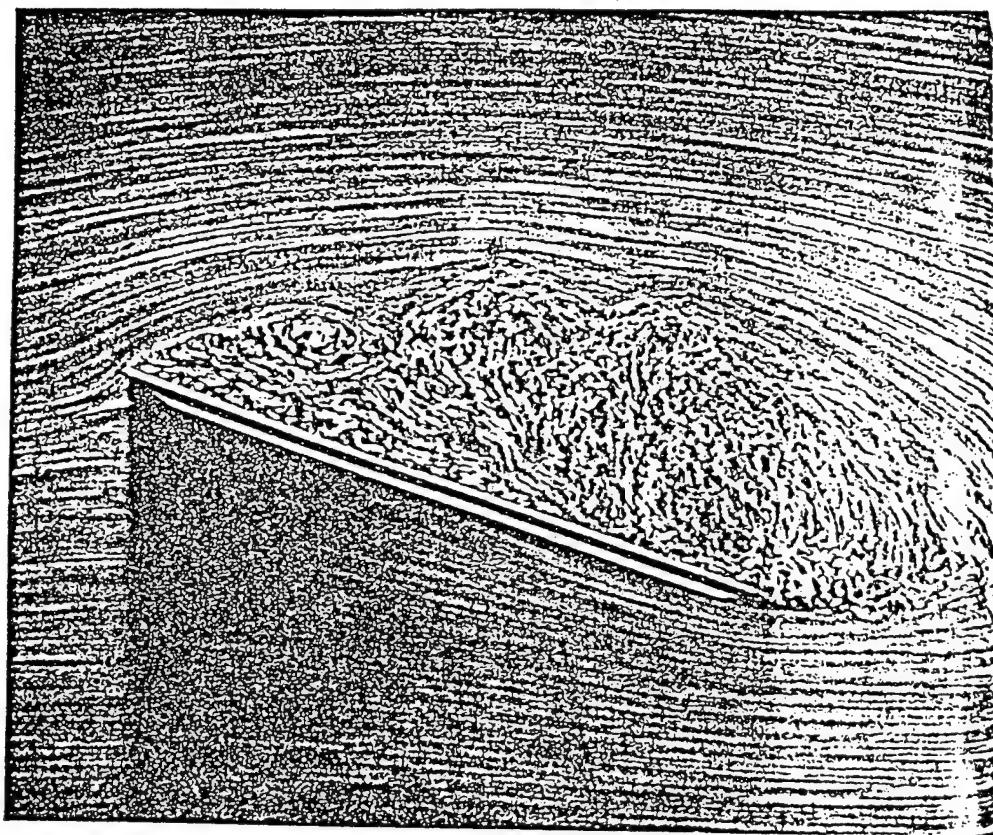
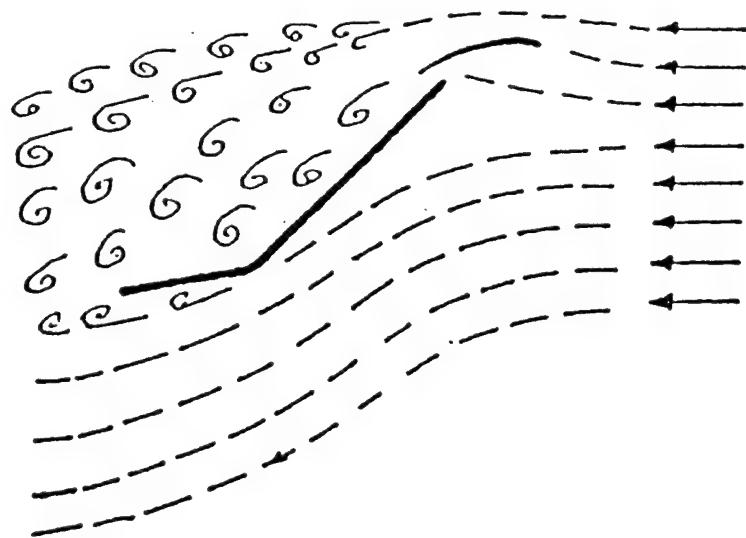
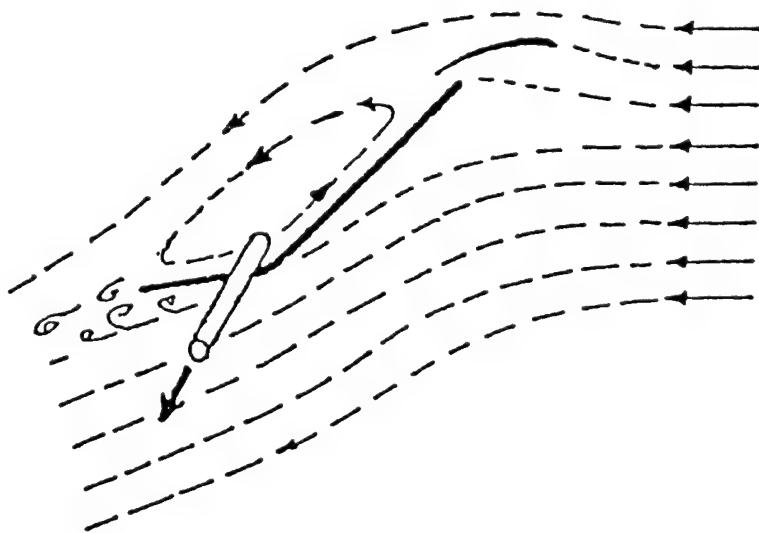


Figure 1. Global Separation over a inclined plate $Re = 10,000$, 20° incidence, from Werlé, 1974, (7).



a) Schematic of flow over a reconfigured swept wing at 45° incidence indicating fully separated flow.



b) Schematic of flow over a reconfigured swept wing with intermittent suction.

Figure 2. Flow over a reconfigured swept wing, (10).

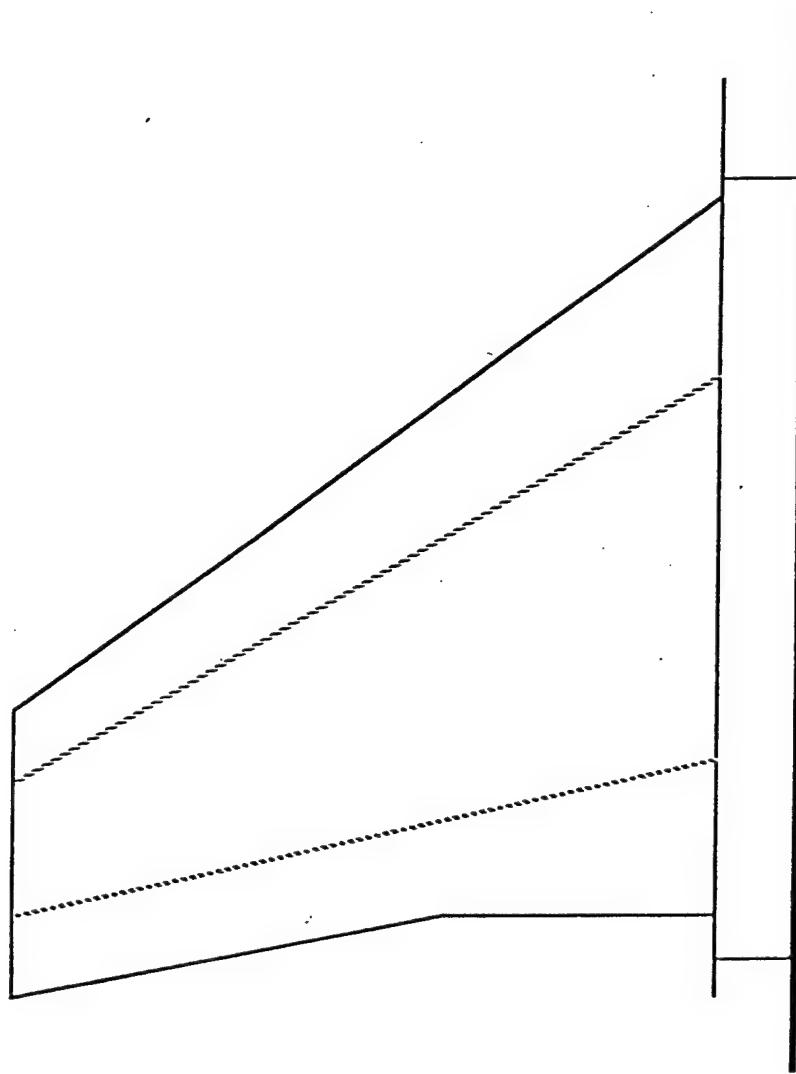


Figure 3. Schematic of the three component wing model with the planform of a F-15 wing.

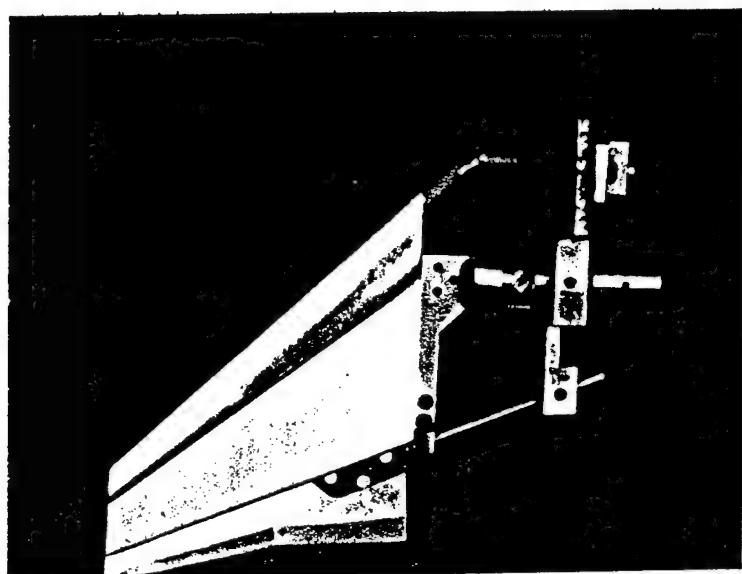


Figure 4. Photograph of the model and the adjustments mechanism.

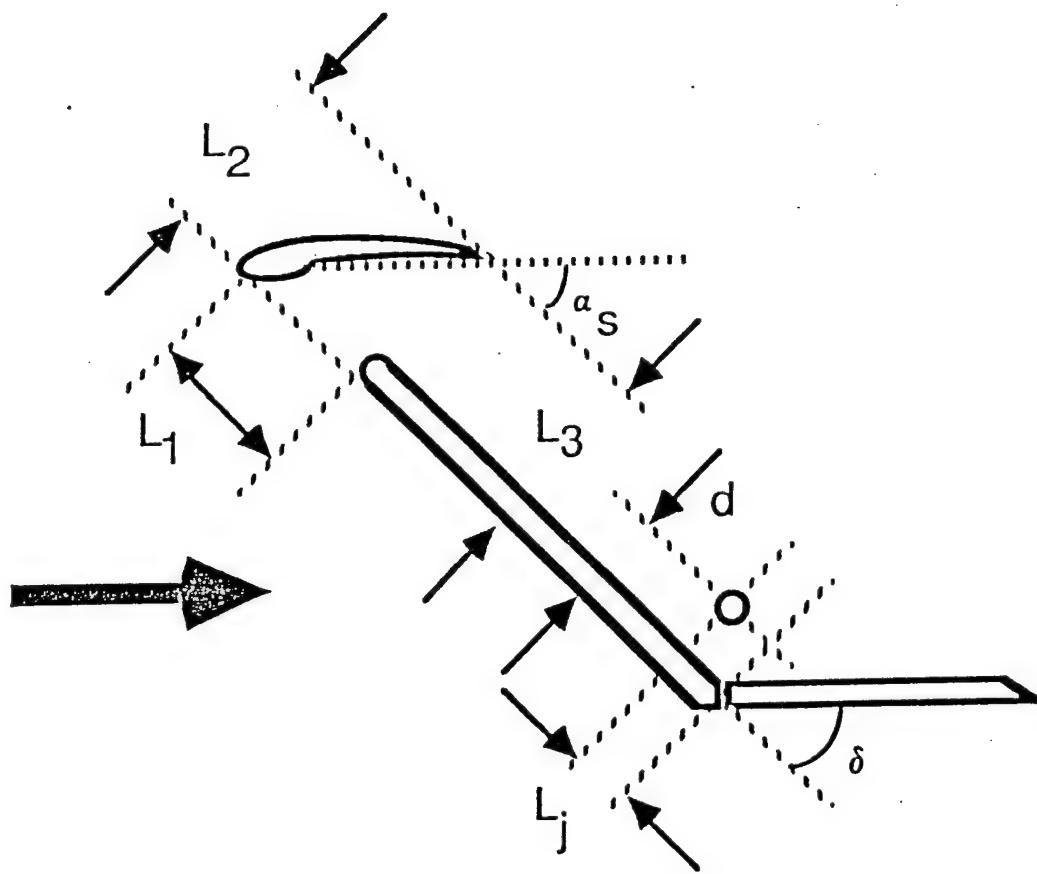
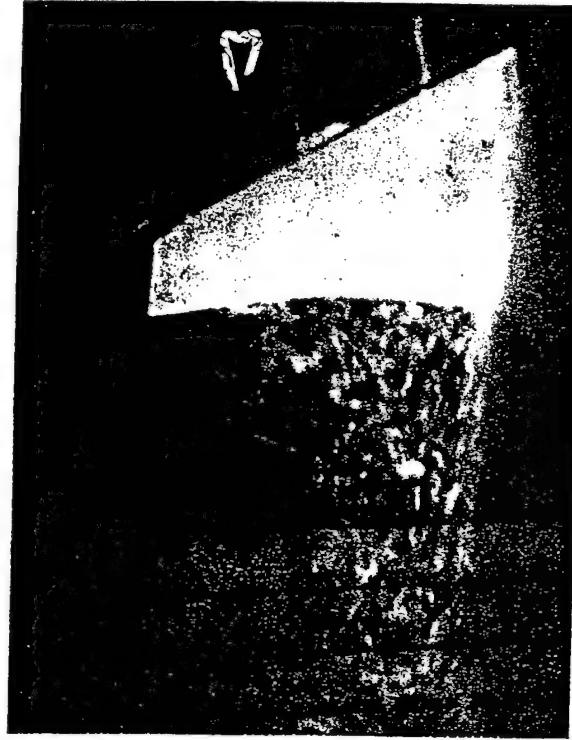
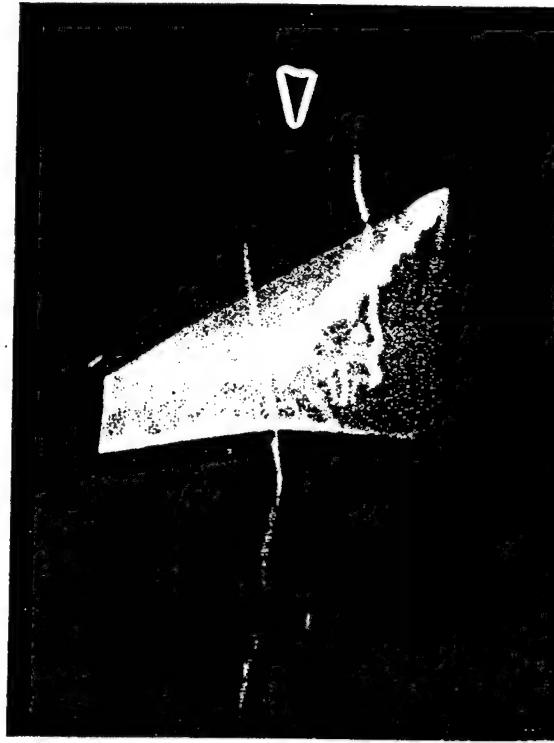


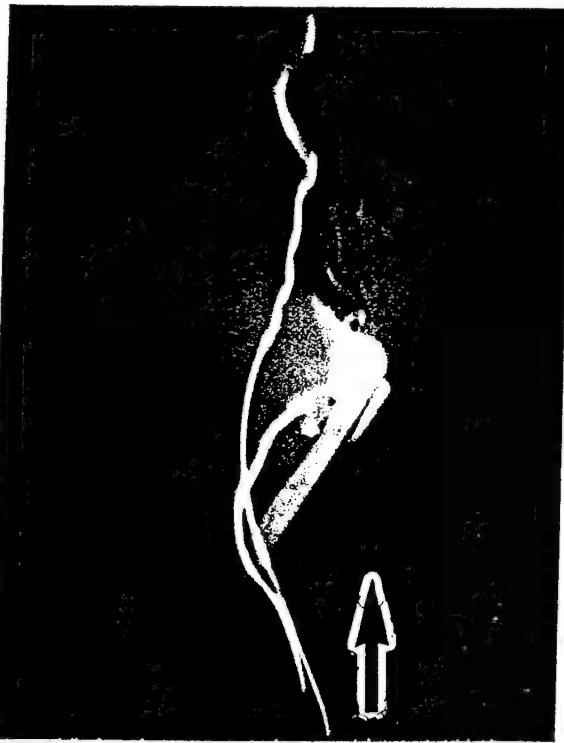
Figure 5. Dimensions and variables of the three components wing. See Table I for the range of variables tested.



1) No spanwise blowing top view.



2) With continuous spanwise blowing, top view.



3) With continuous blowing, viewed from the wing tip.

Figure 6. Visualization of flow in the water tunnel over the three component wing configured for improved locked vortex.

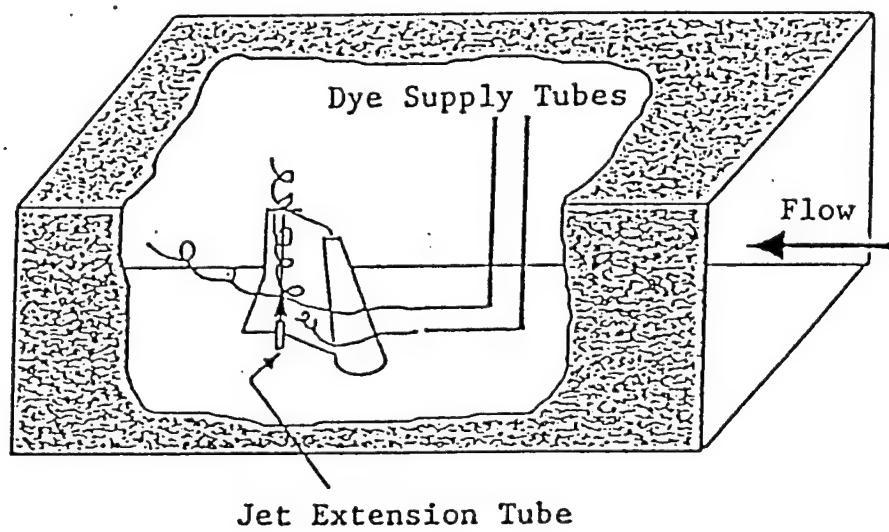


Figure 7. Schematic of the flow shown in photographs of Figure 6.

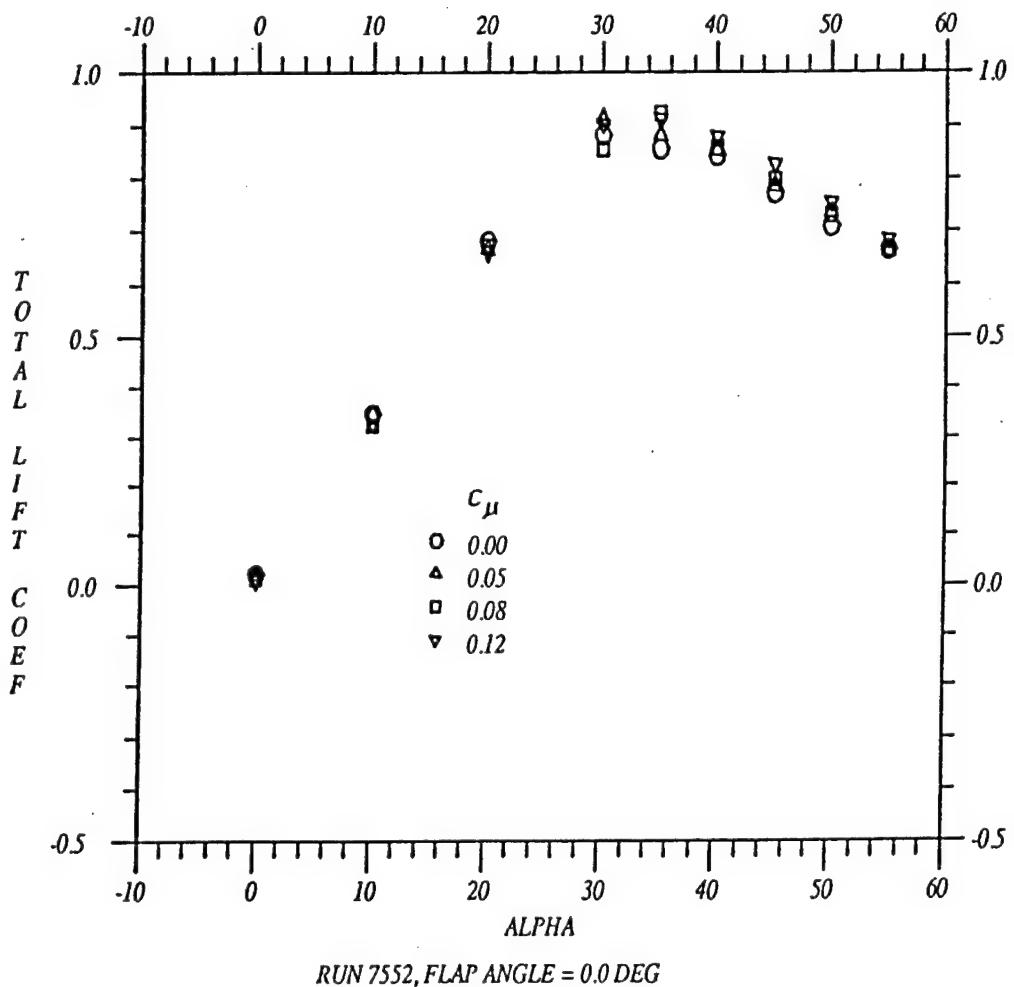


Figure 8. Lift and drag measurements for the baseline model for selected flap positions.

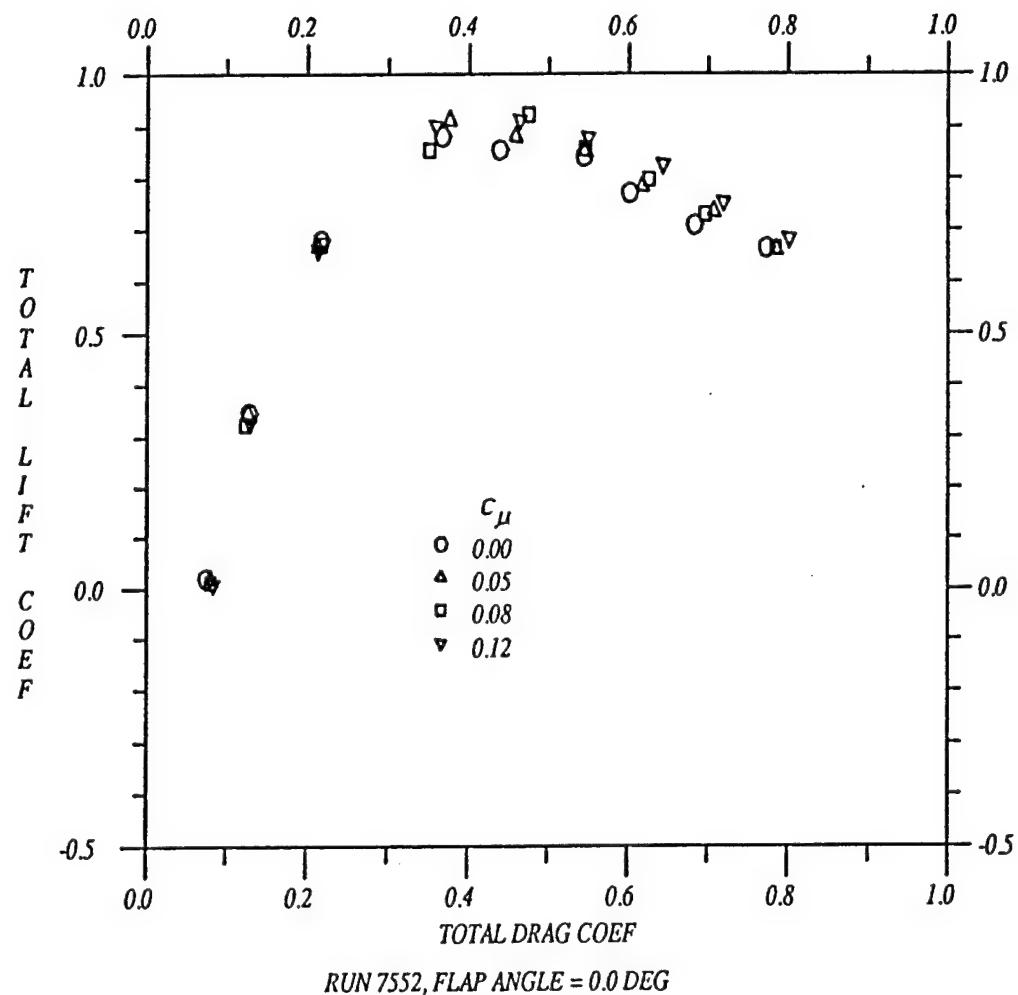


Figure 8. cont.

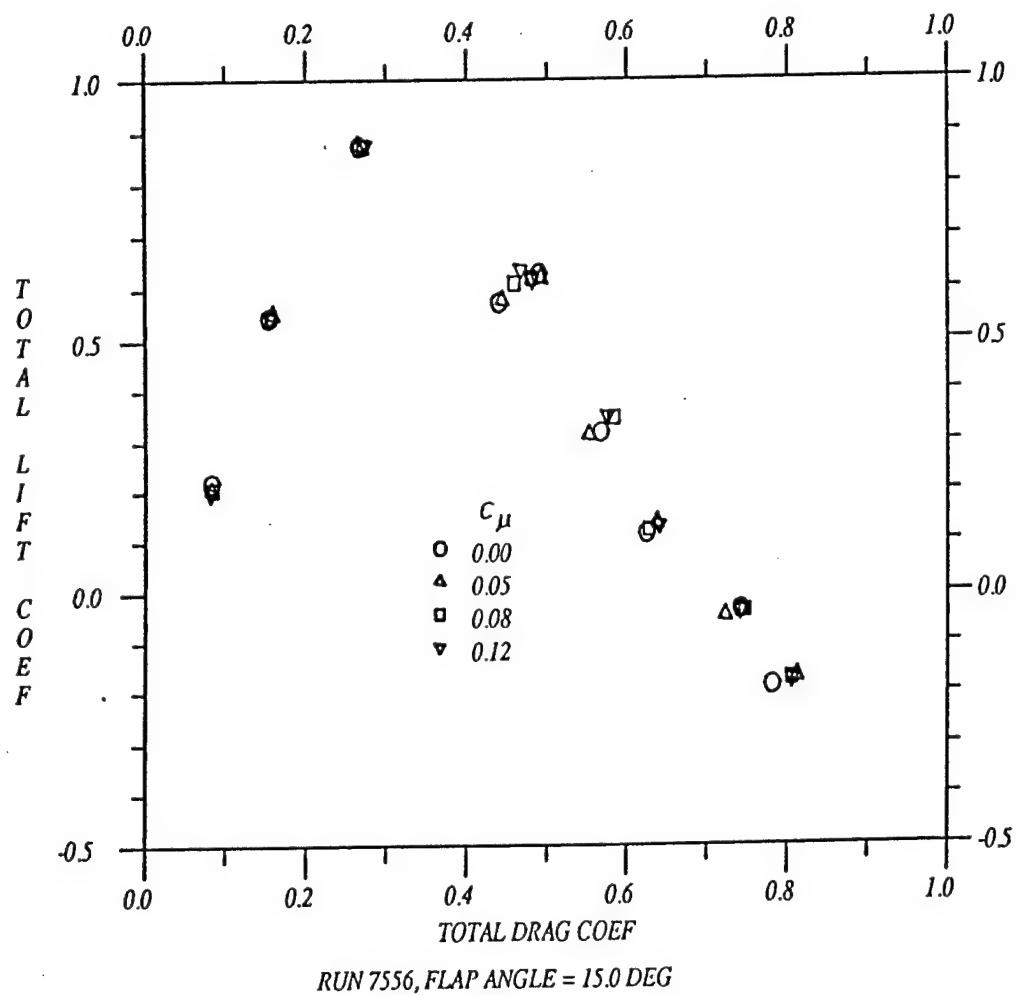


Figure 8. cont.

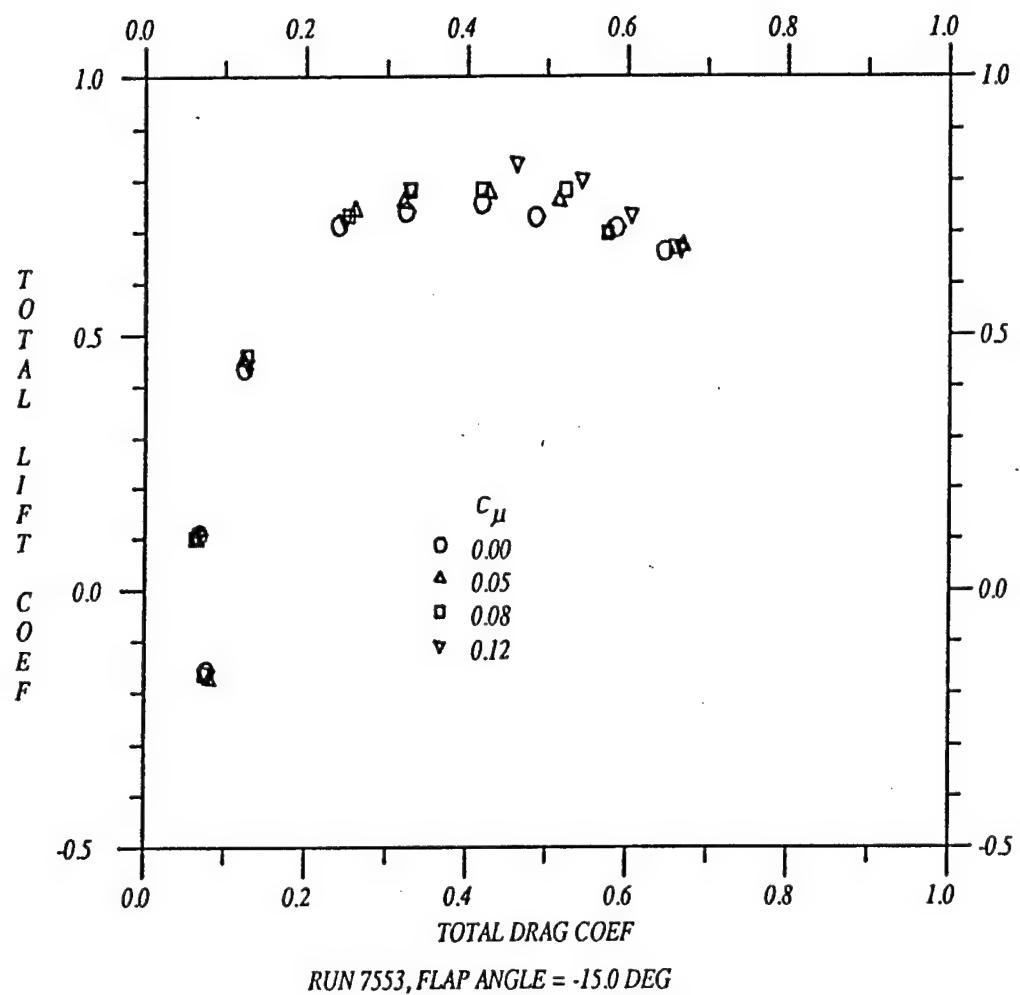


Figure 8. cont.

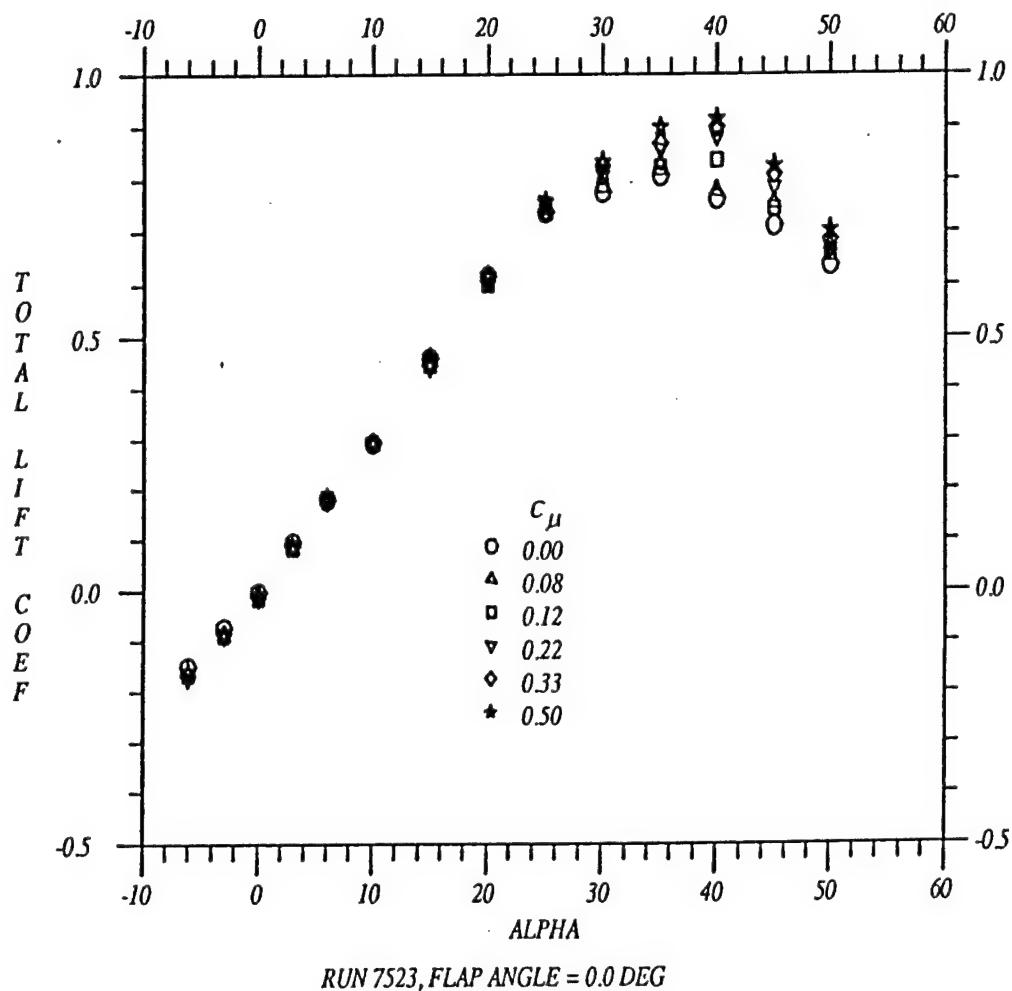


Figure 9. Lift and drag measurements for typically reconfigured wing. Configuration details are given in Table I.

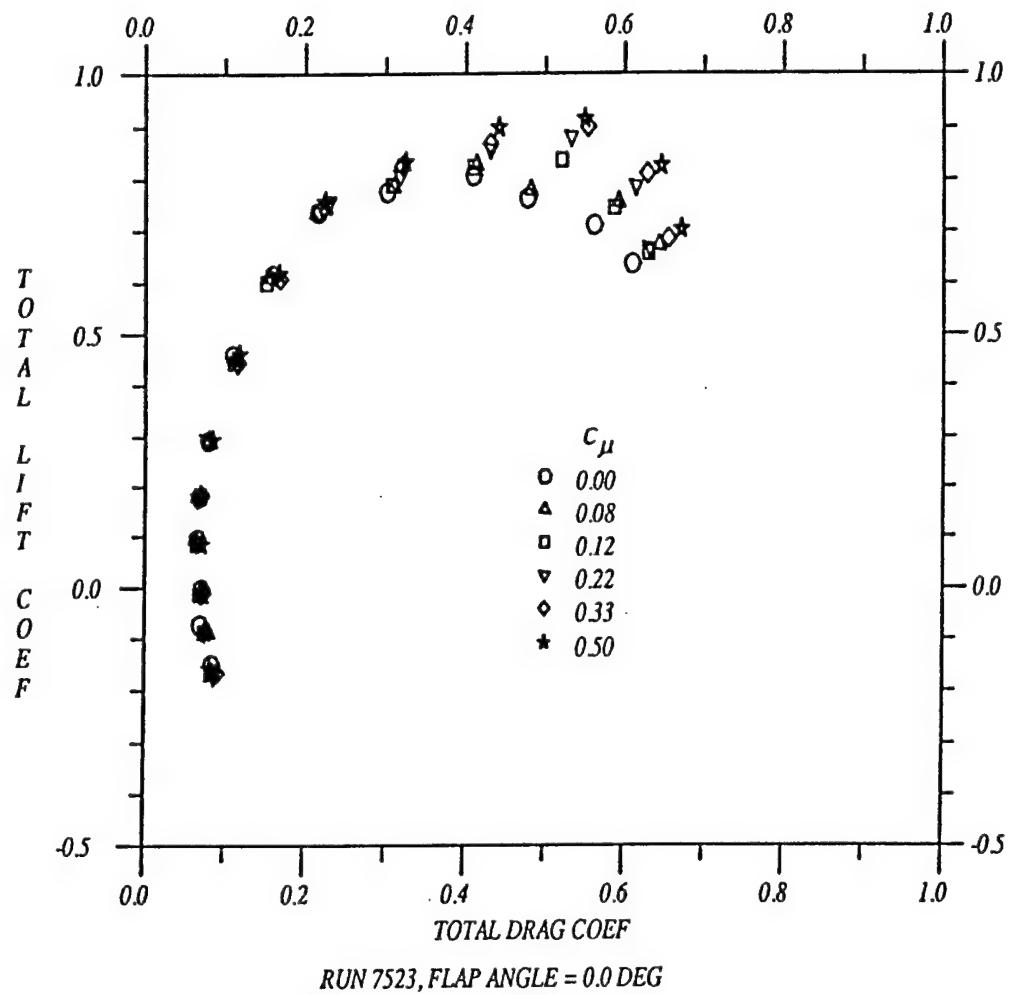


Figure 9. cont.

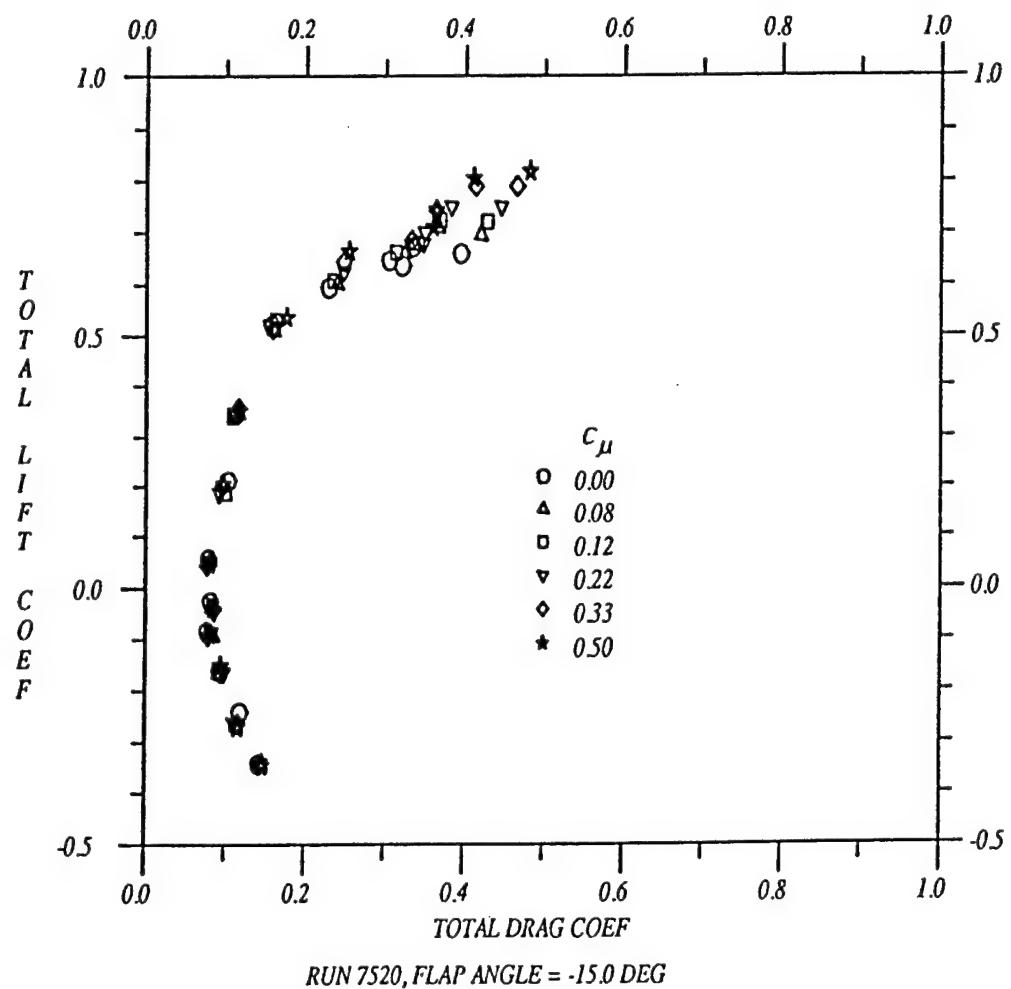


Figure 9. cont.

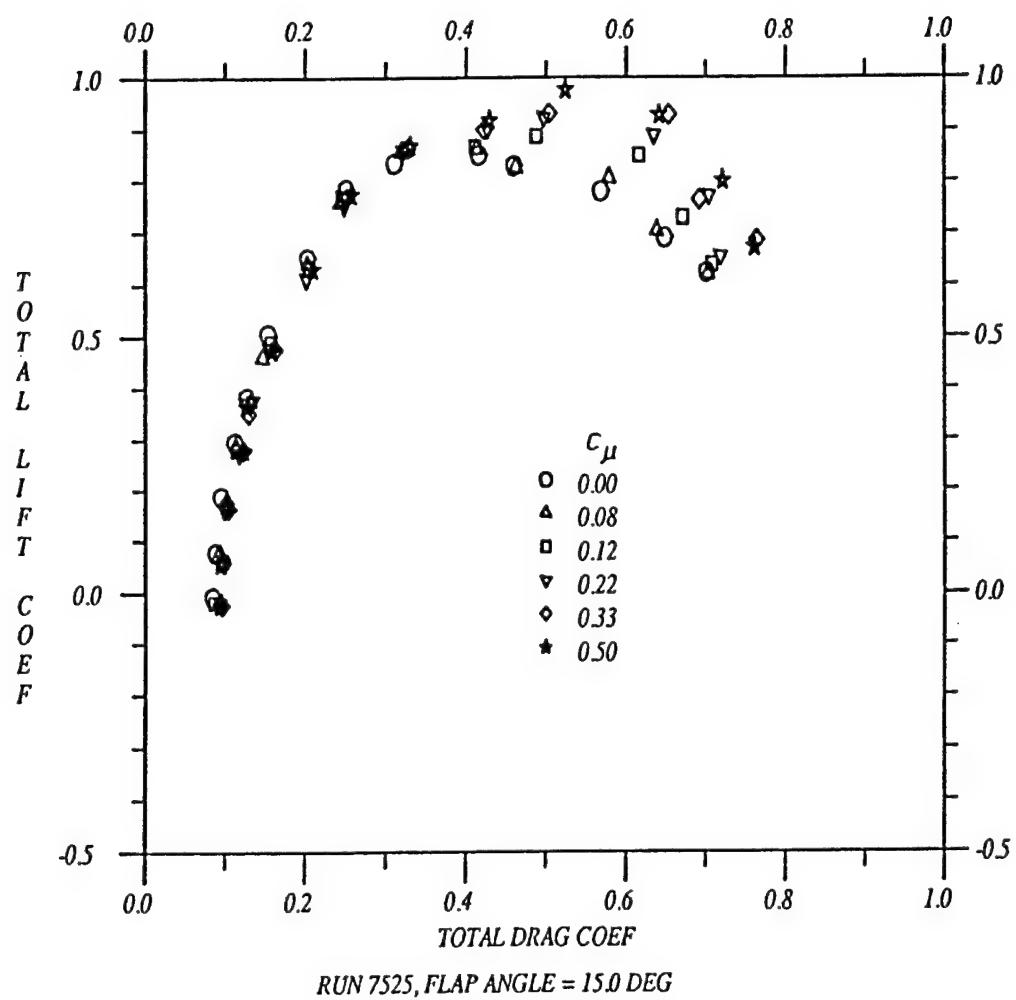


Figure 9. cont.

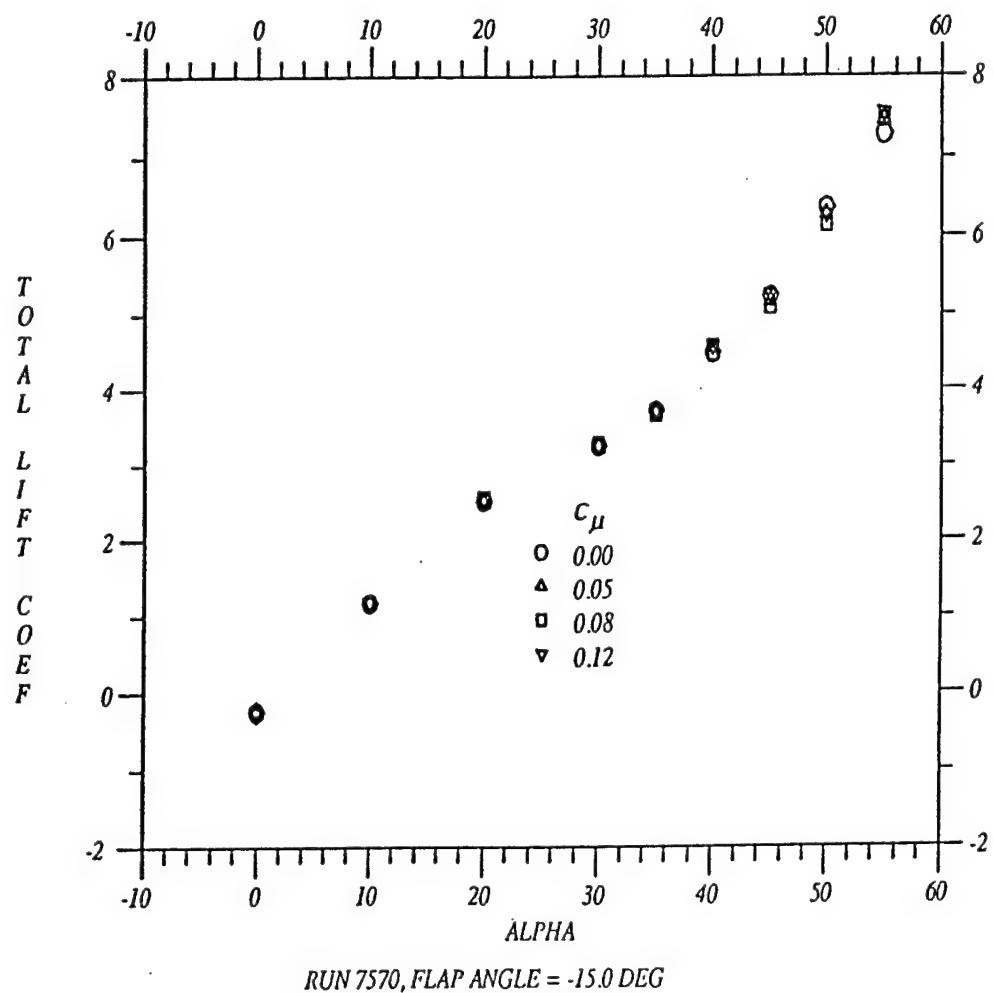


Figure 10. Lift and drag measurements for the reconfigured wing with significant improvements. Configuration details are given in Table I.

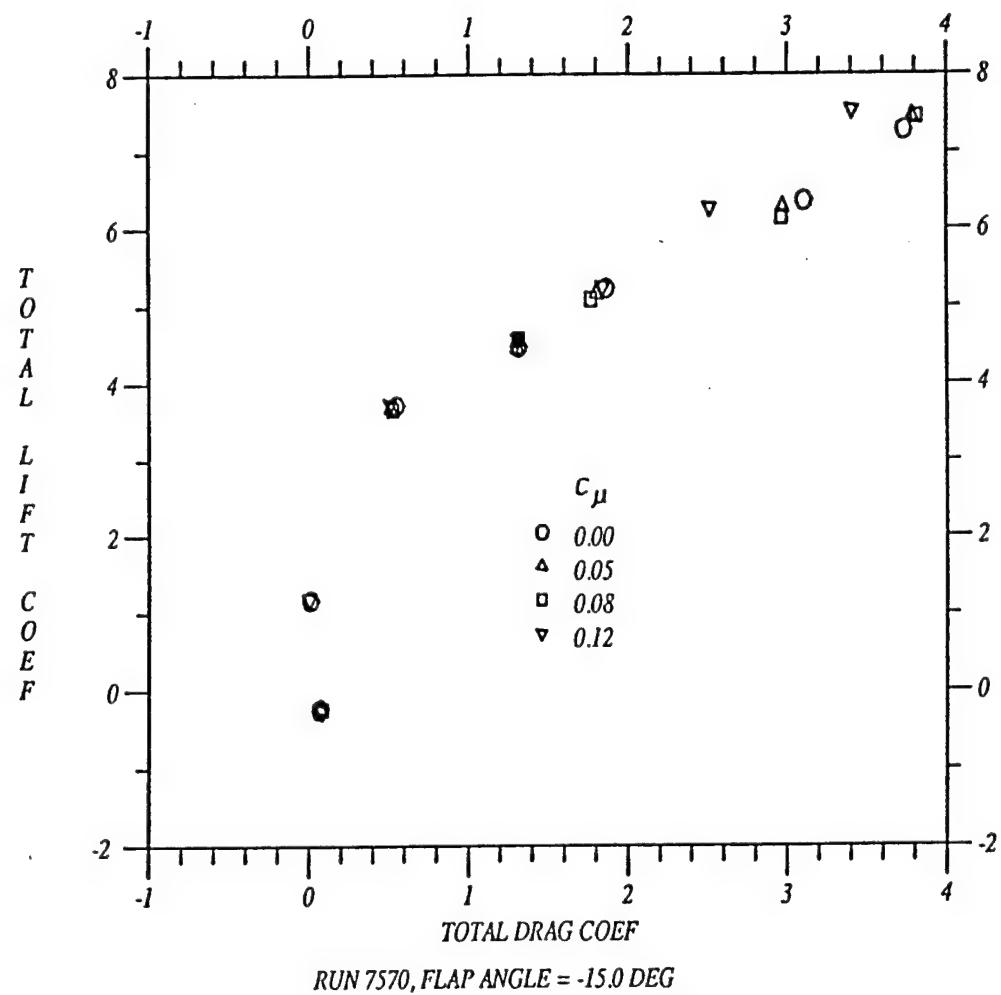
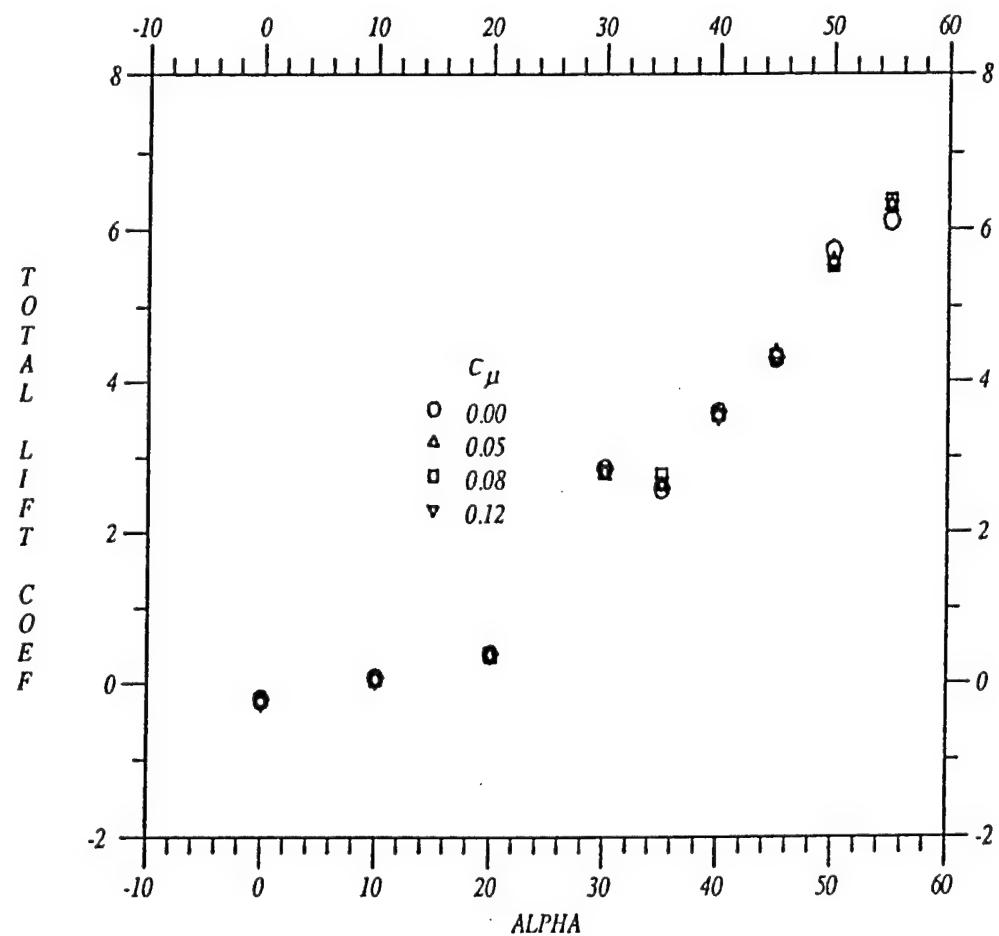


Figure 10. cont.



RUN 7571, FLAP ANGLE = -15.0 DEG

Figure 10. cont.

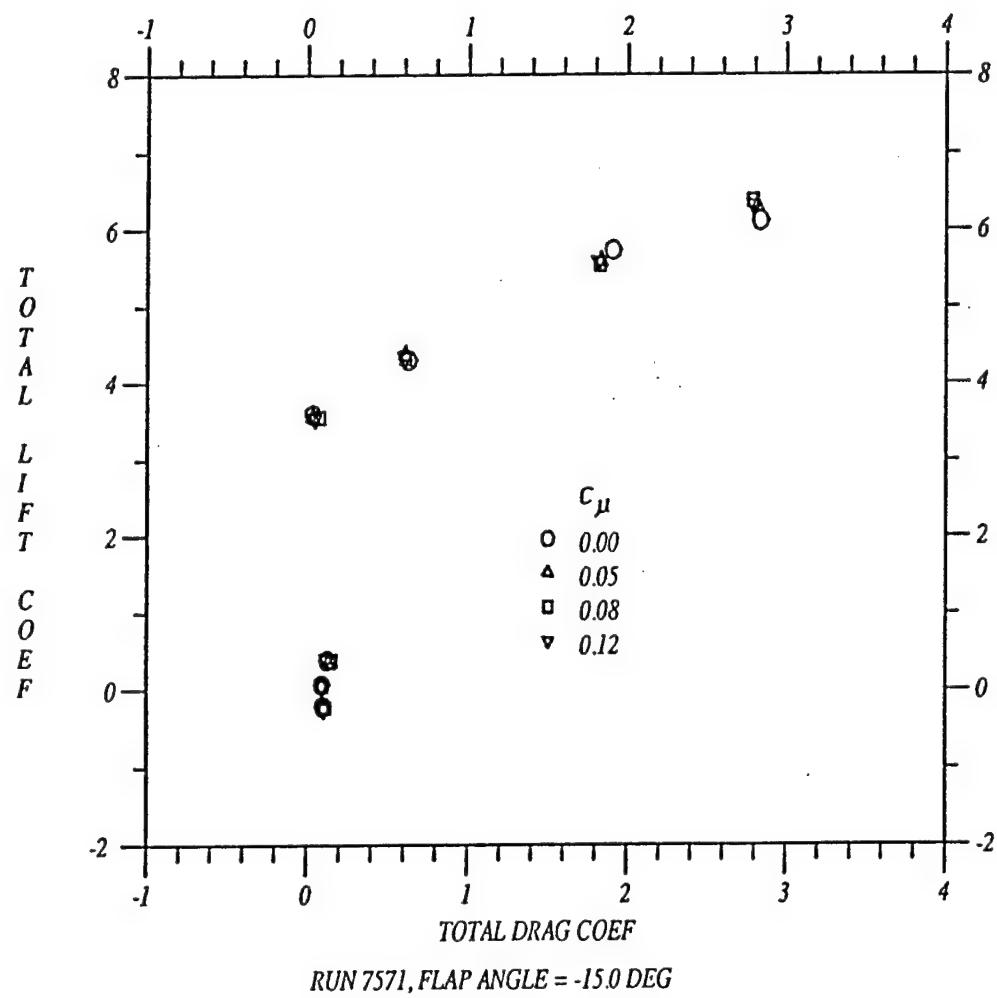
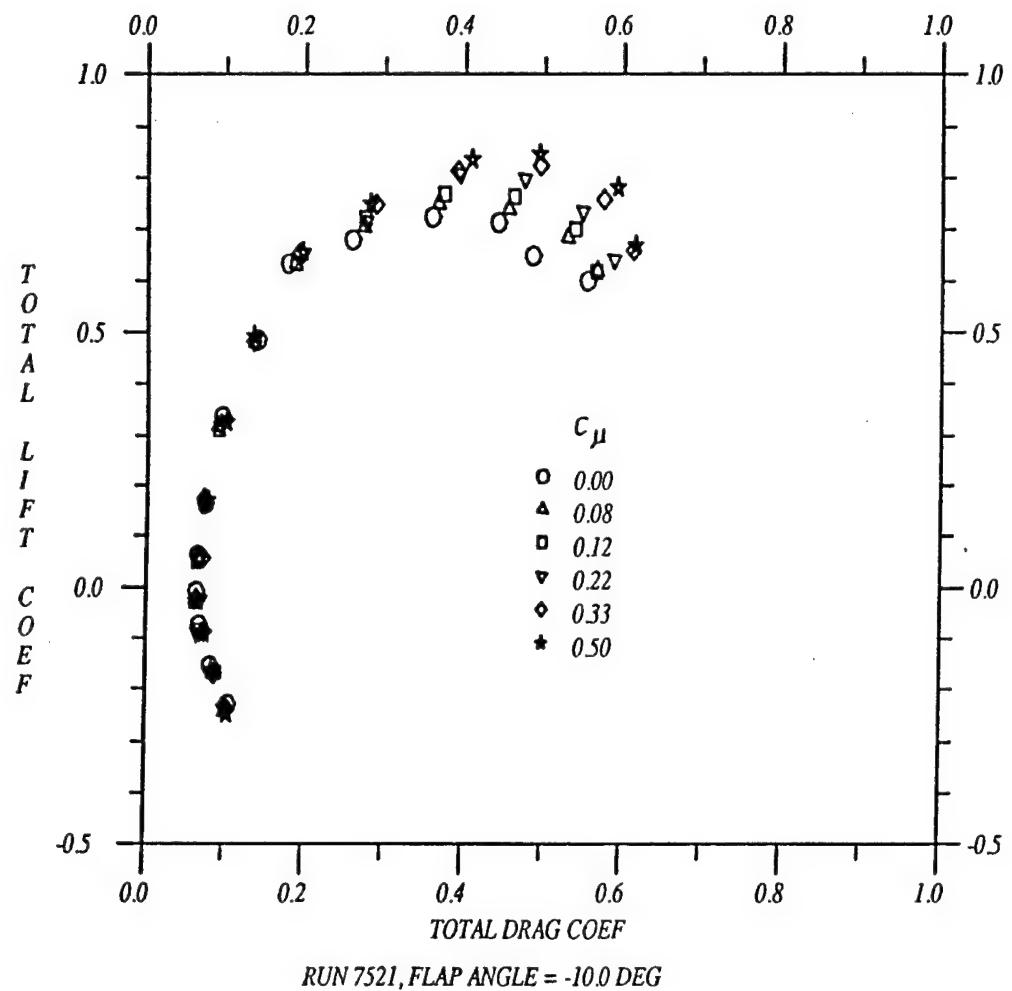
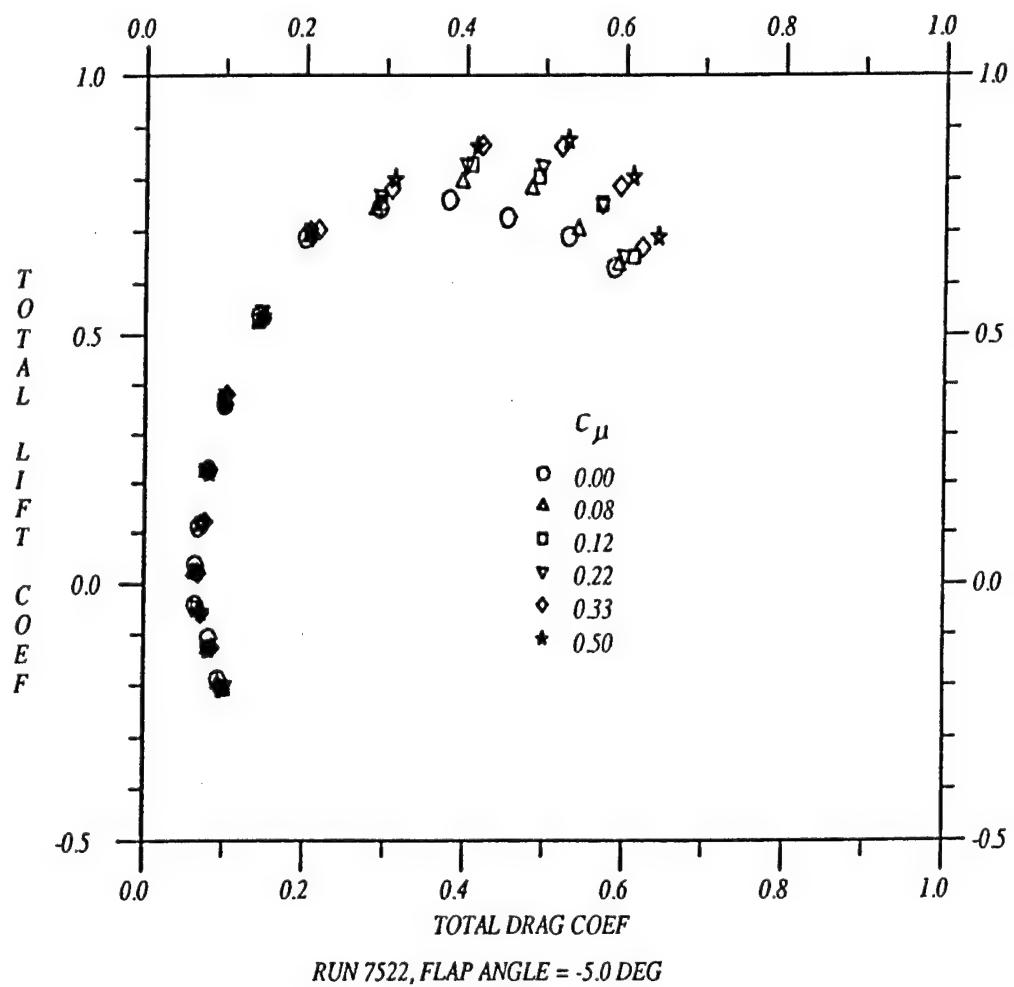


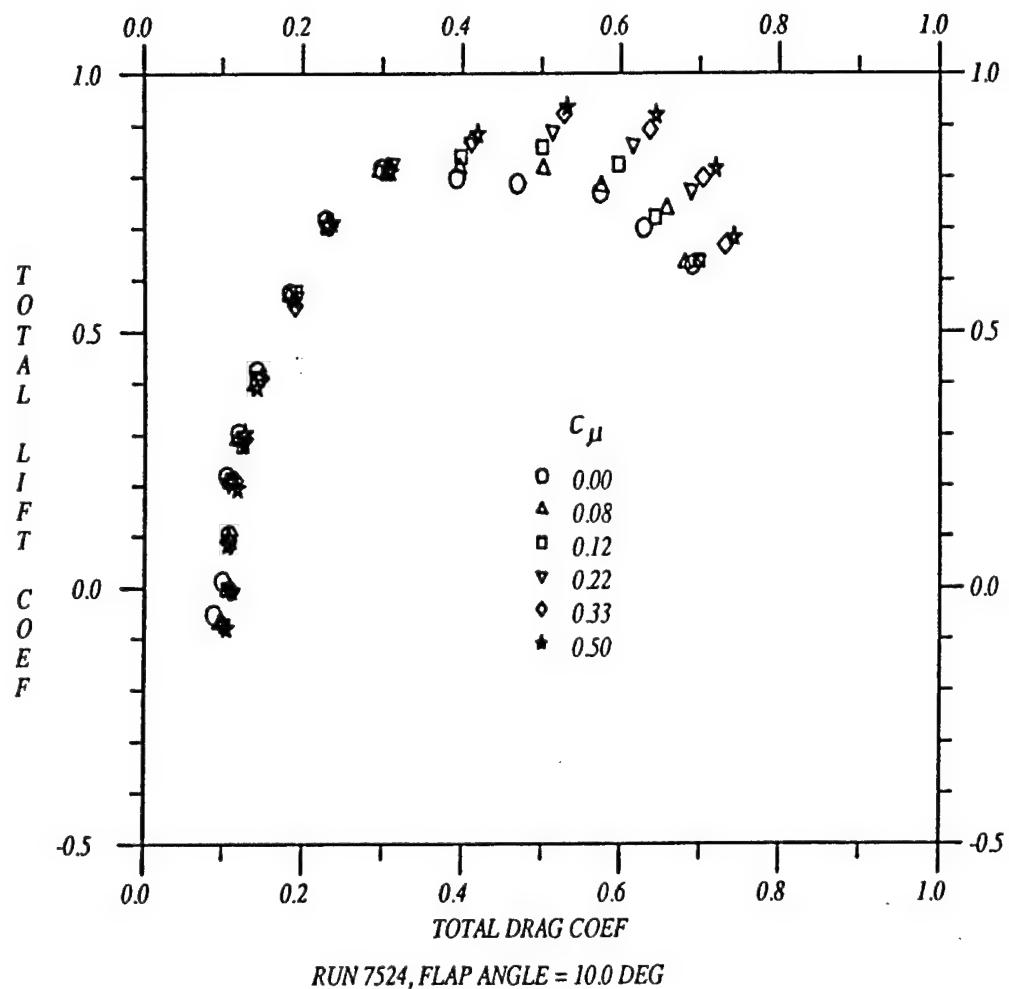
Figure 10. cont.

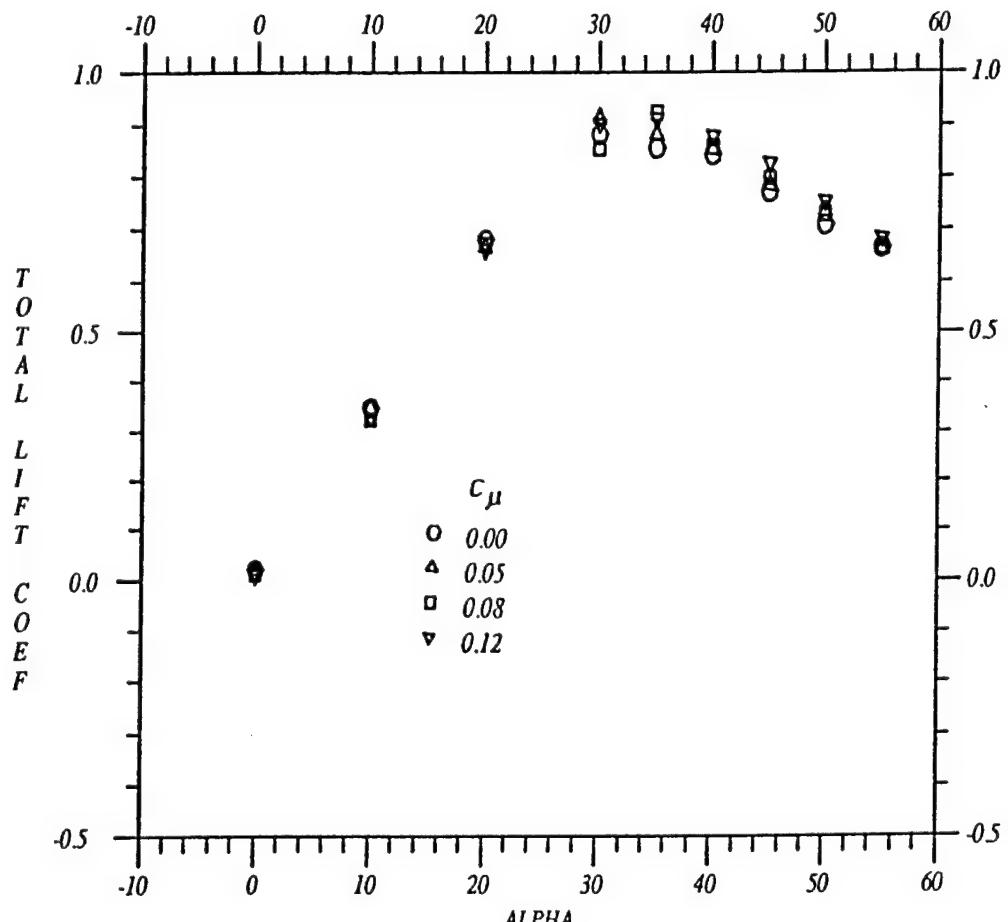
Appendix A

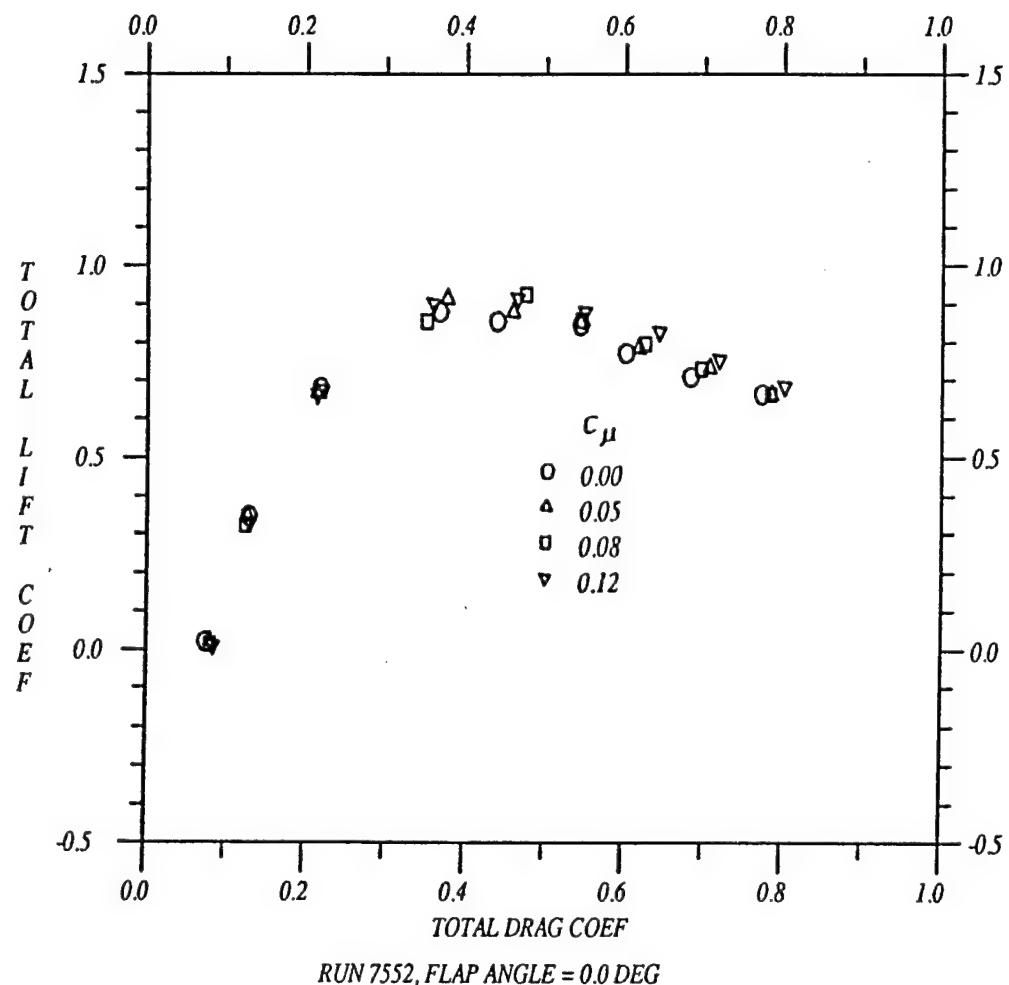
Plots of Selected Data

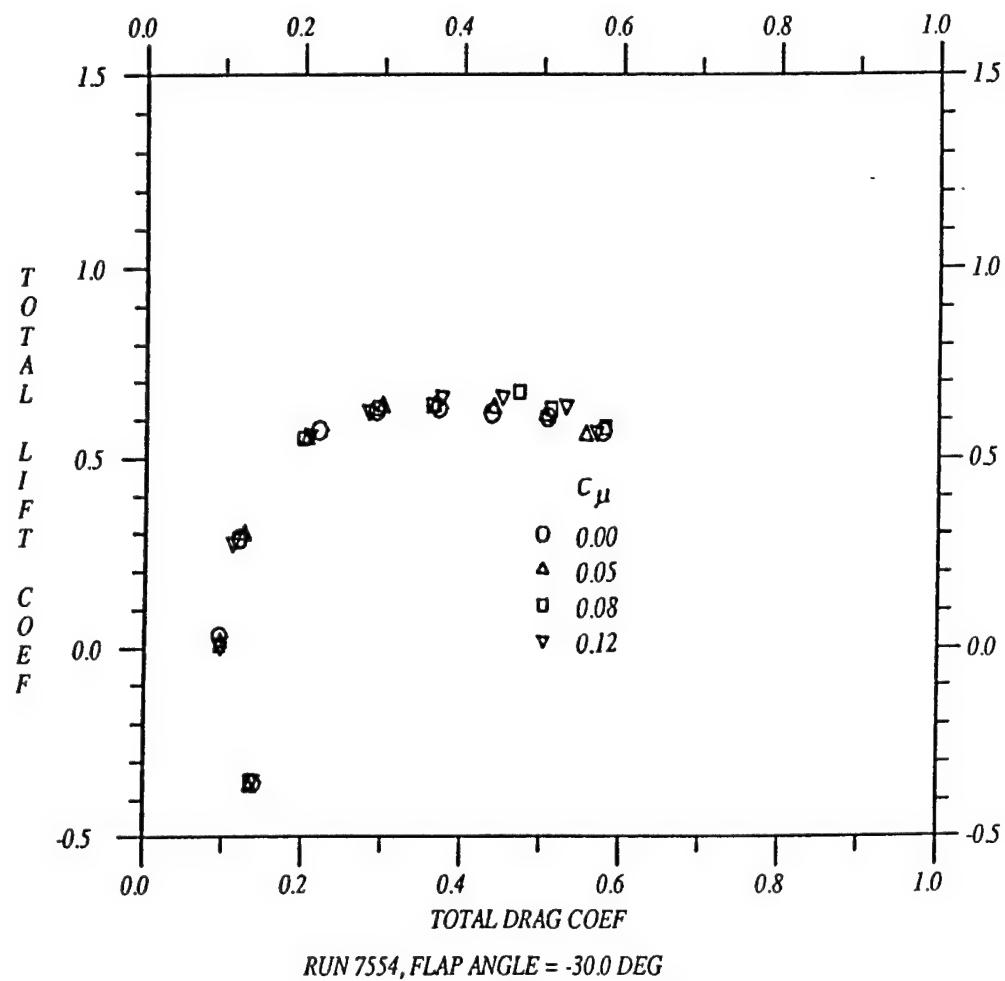


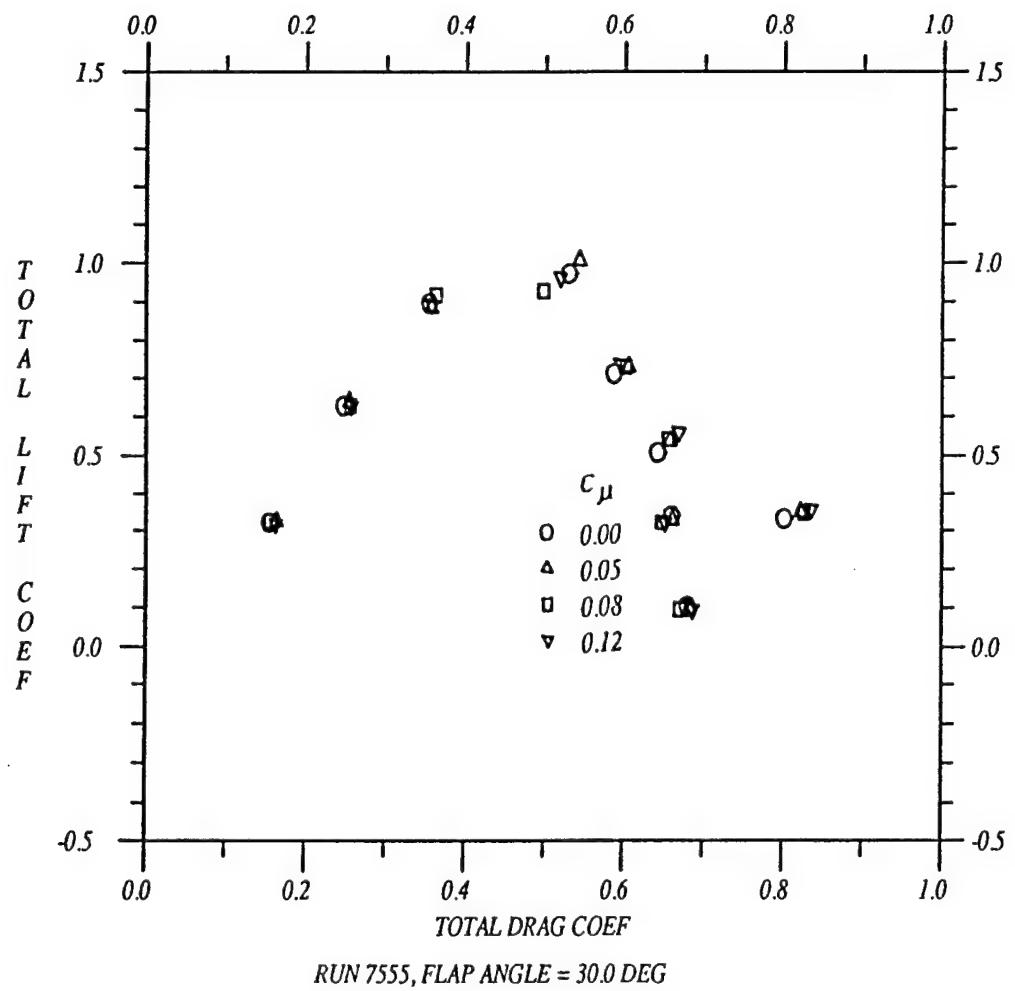


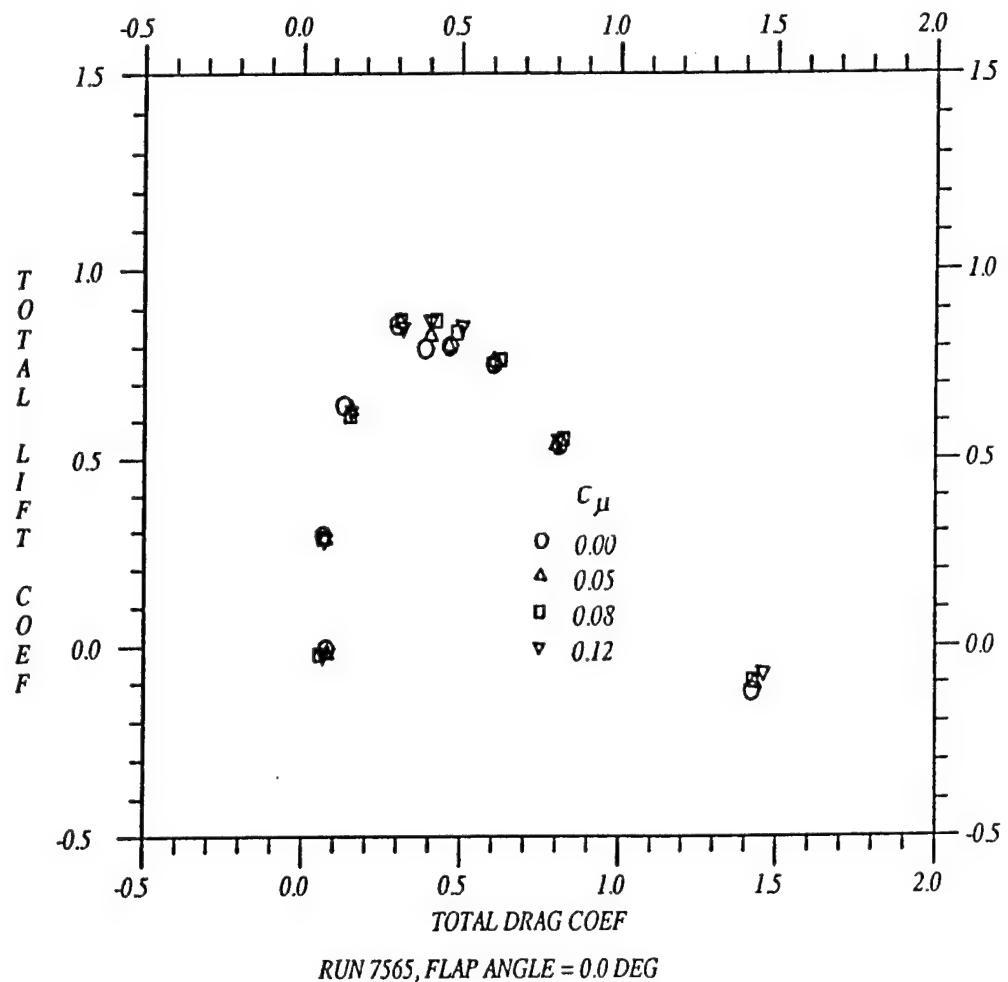


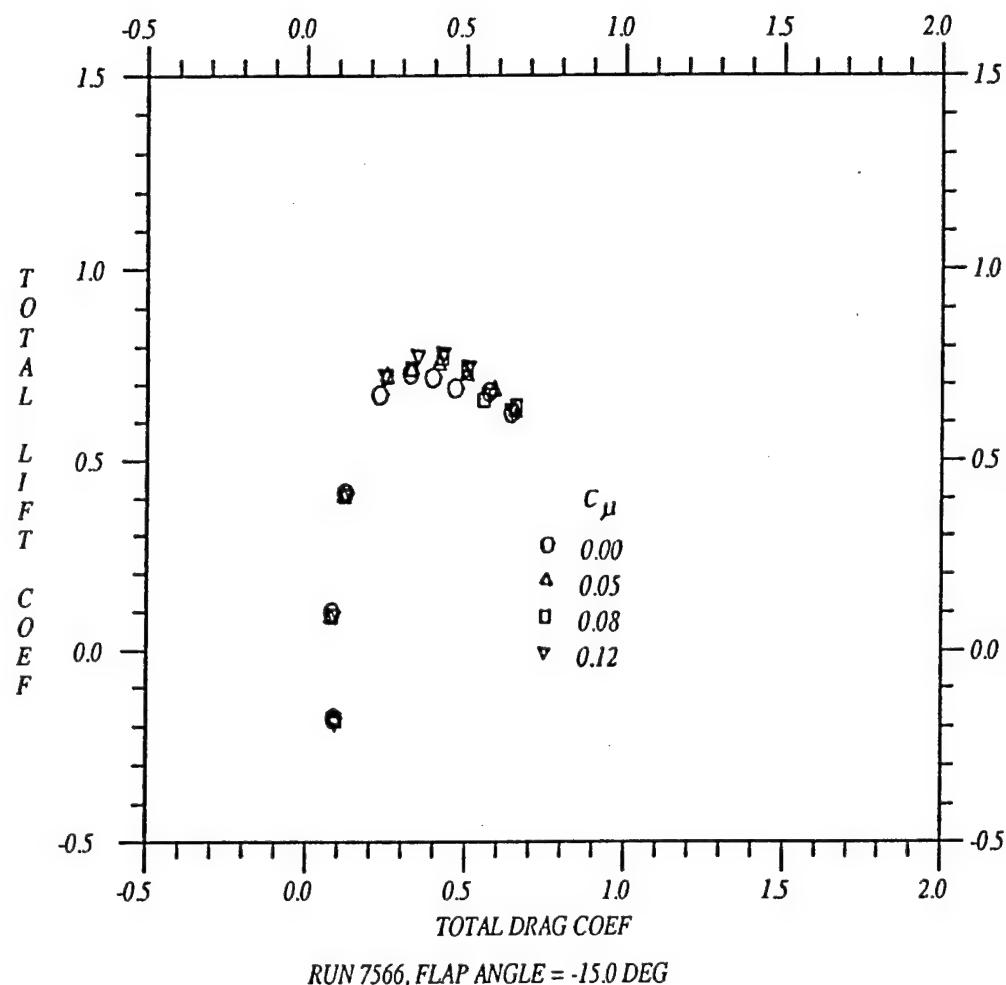


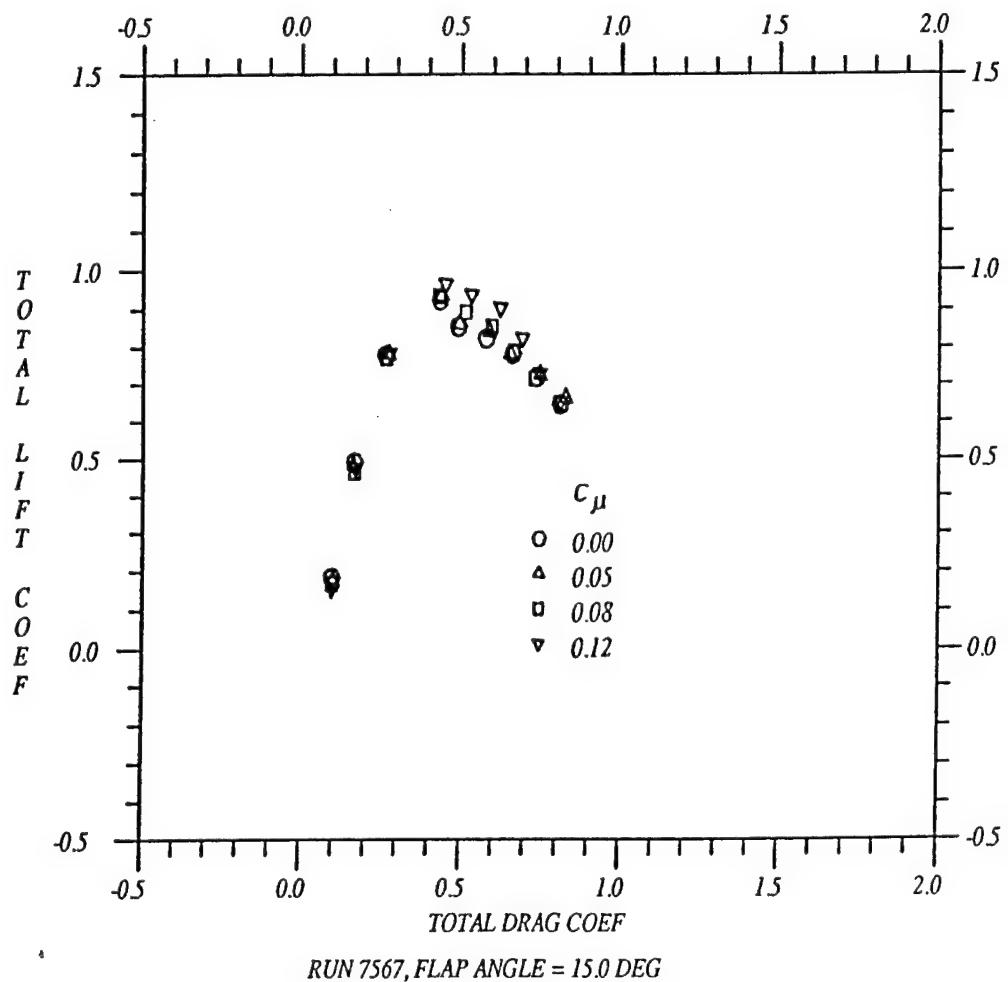


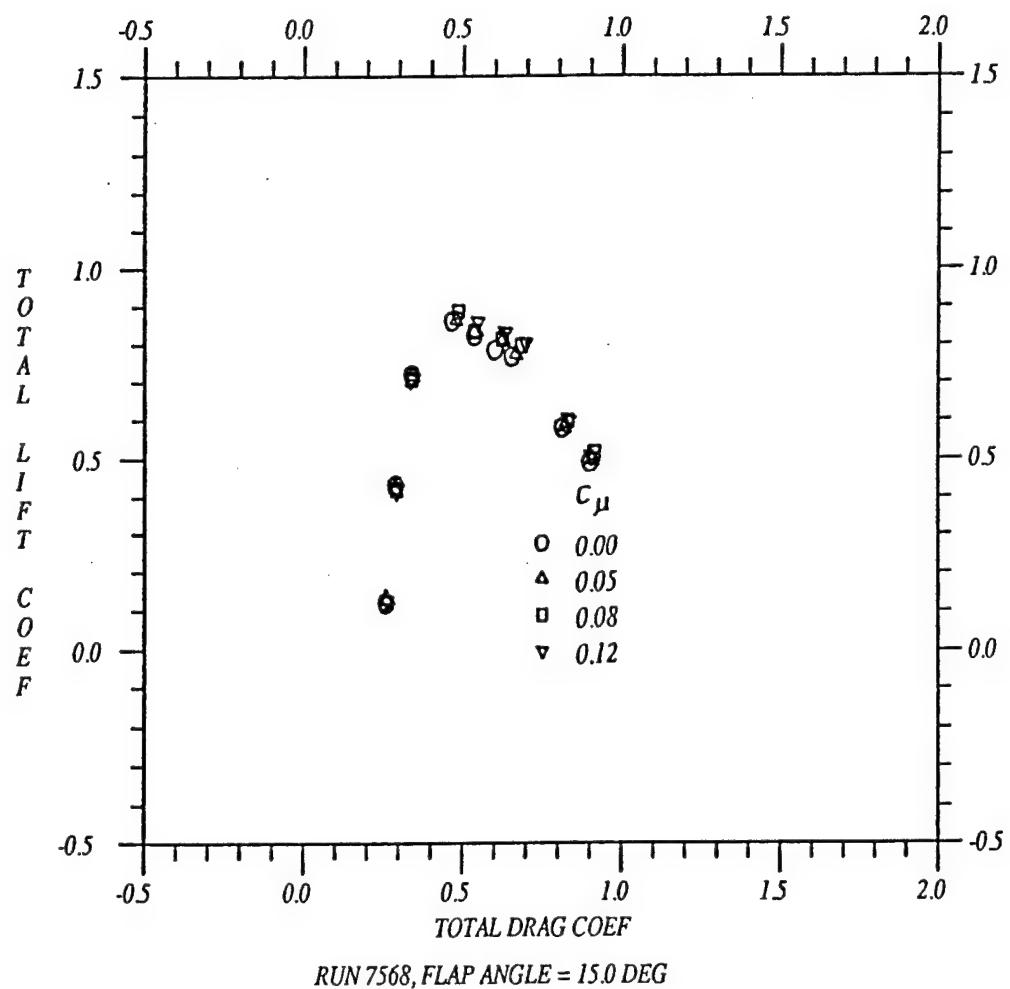


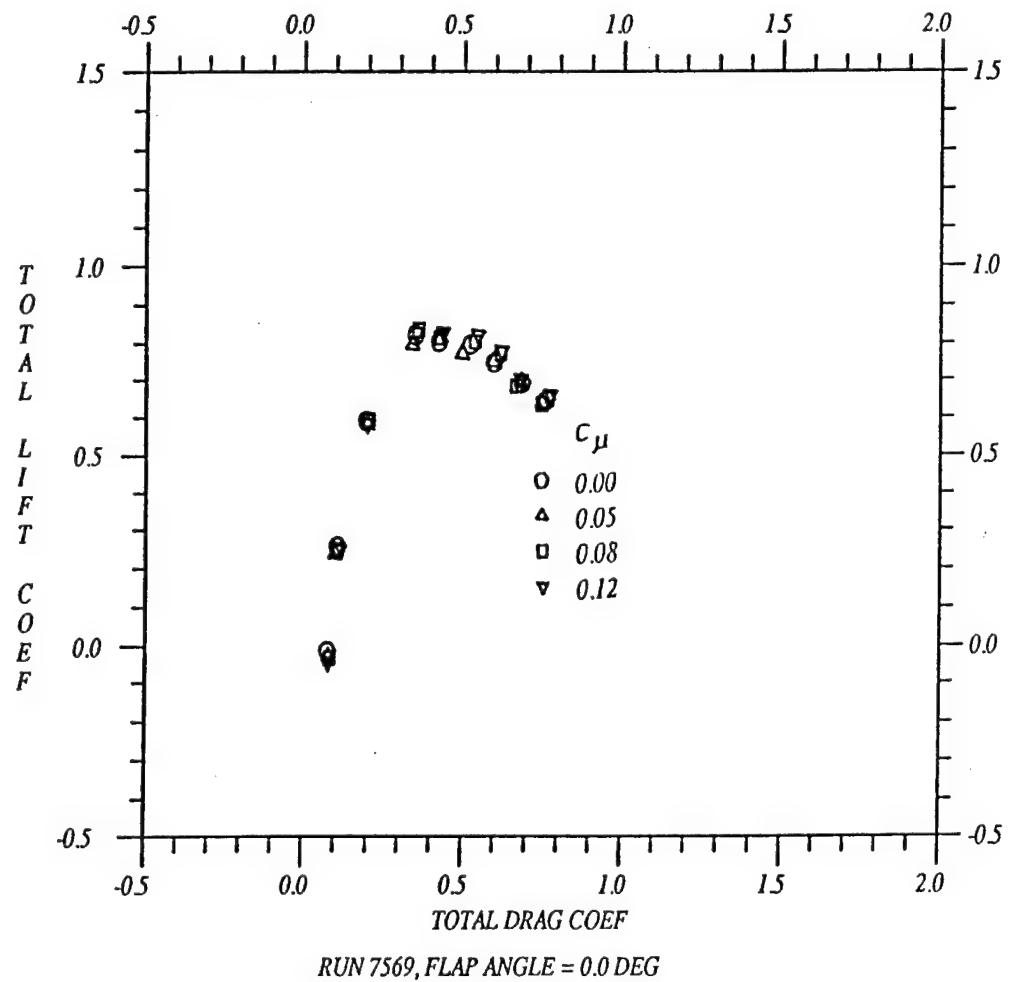


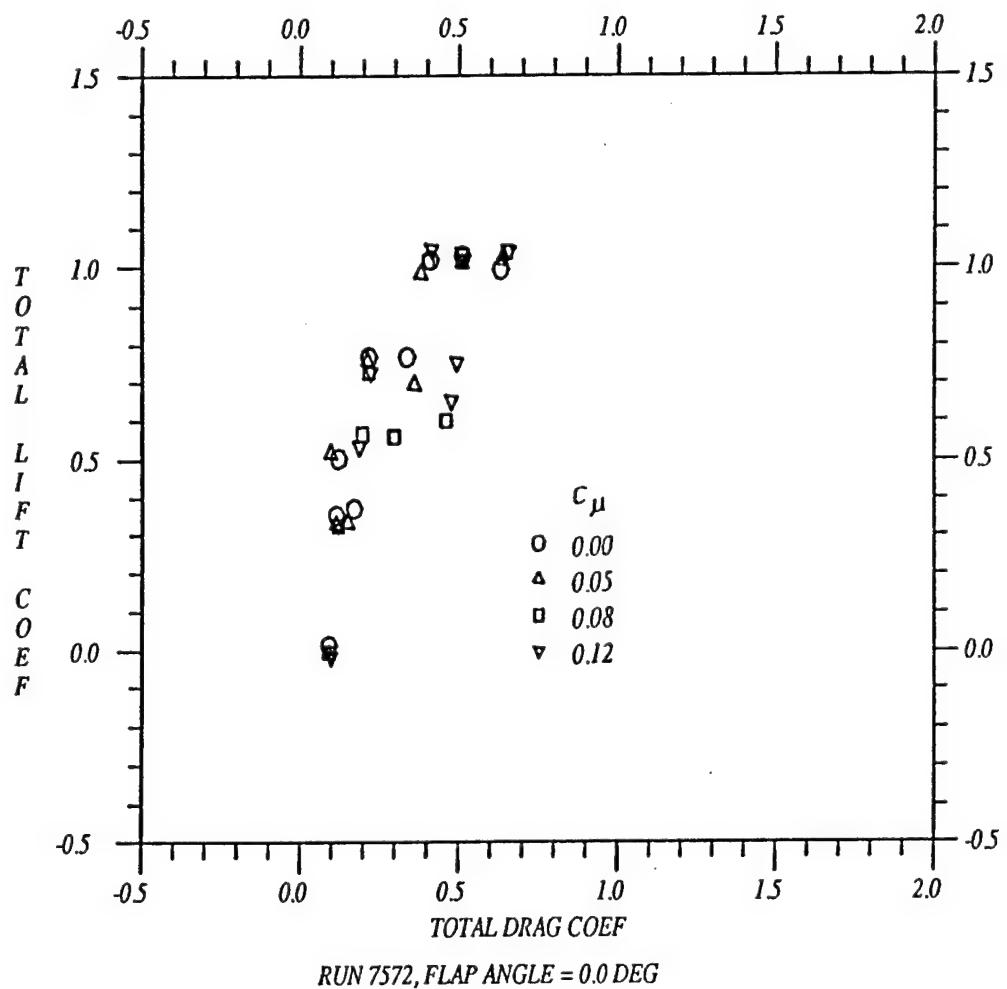


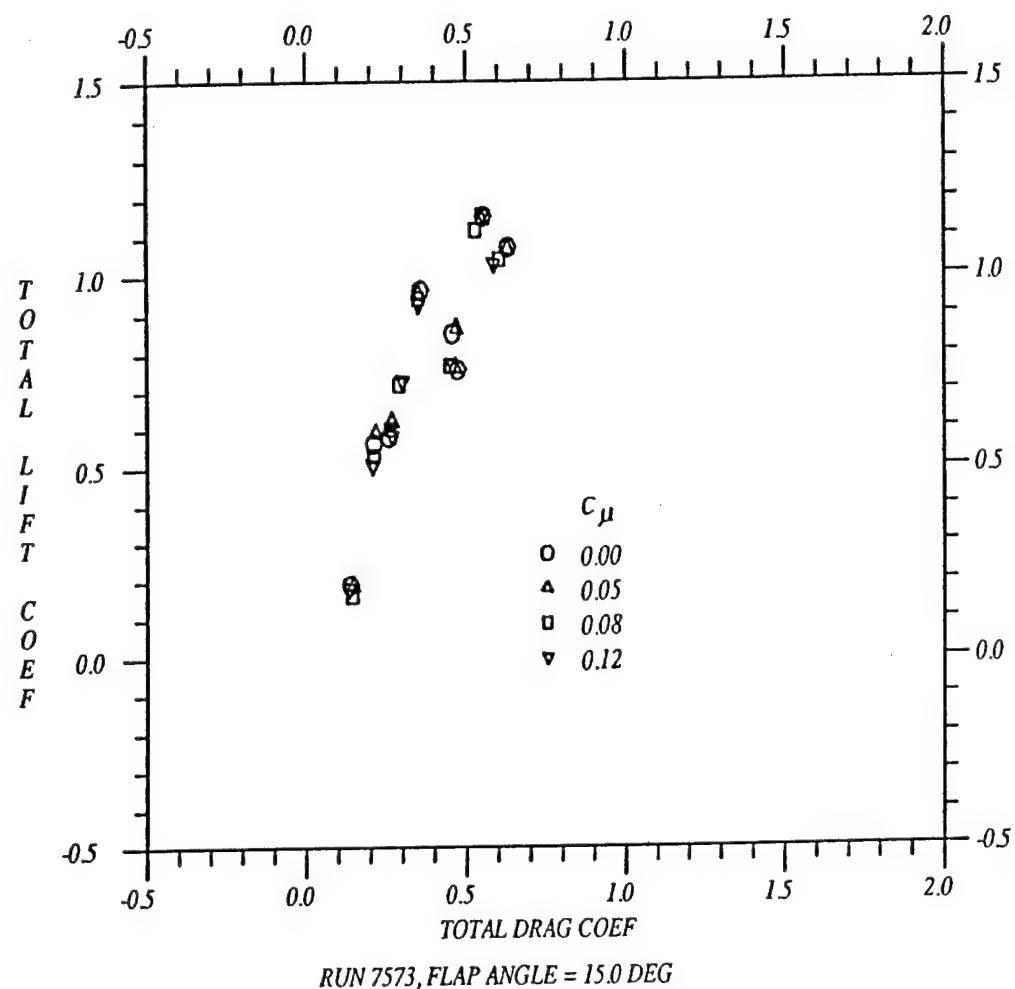


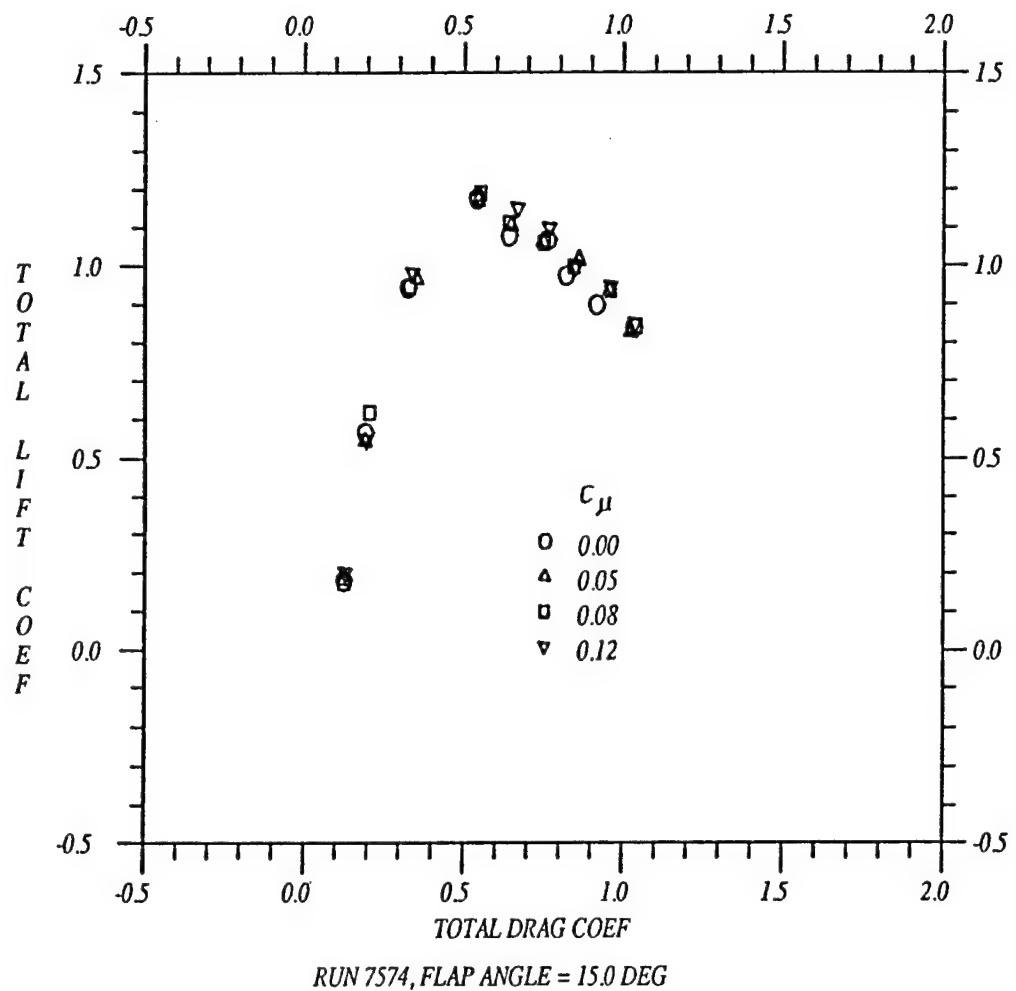


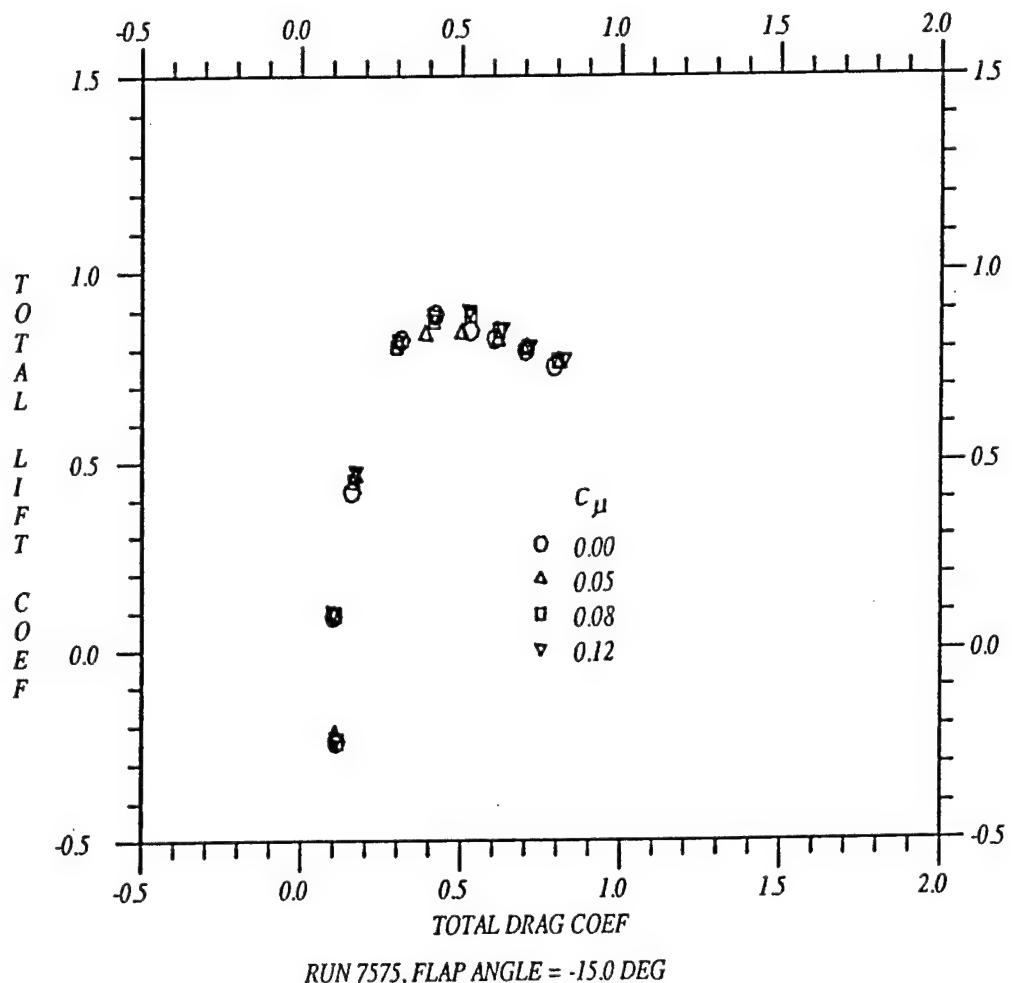


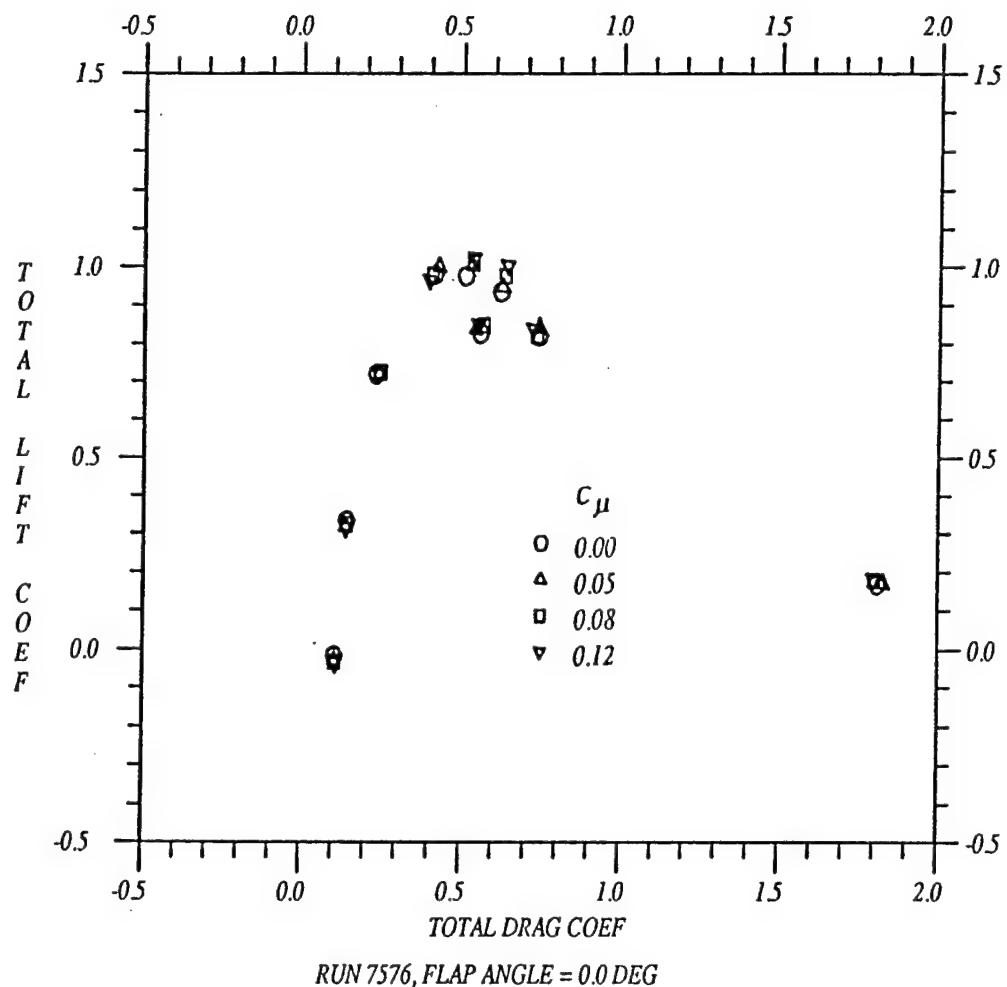


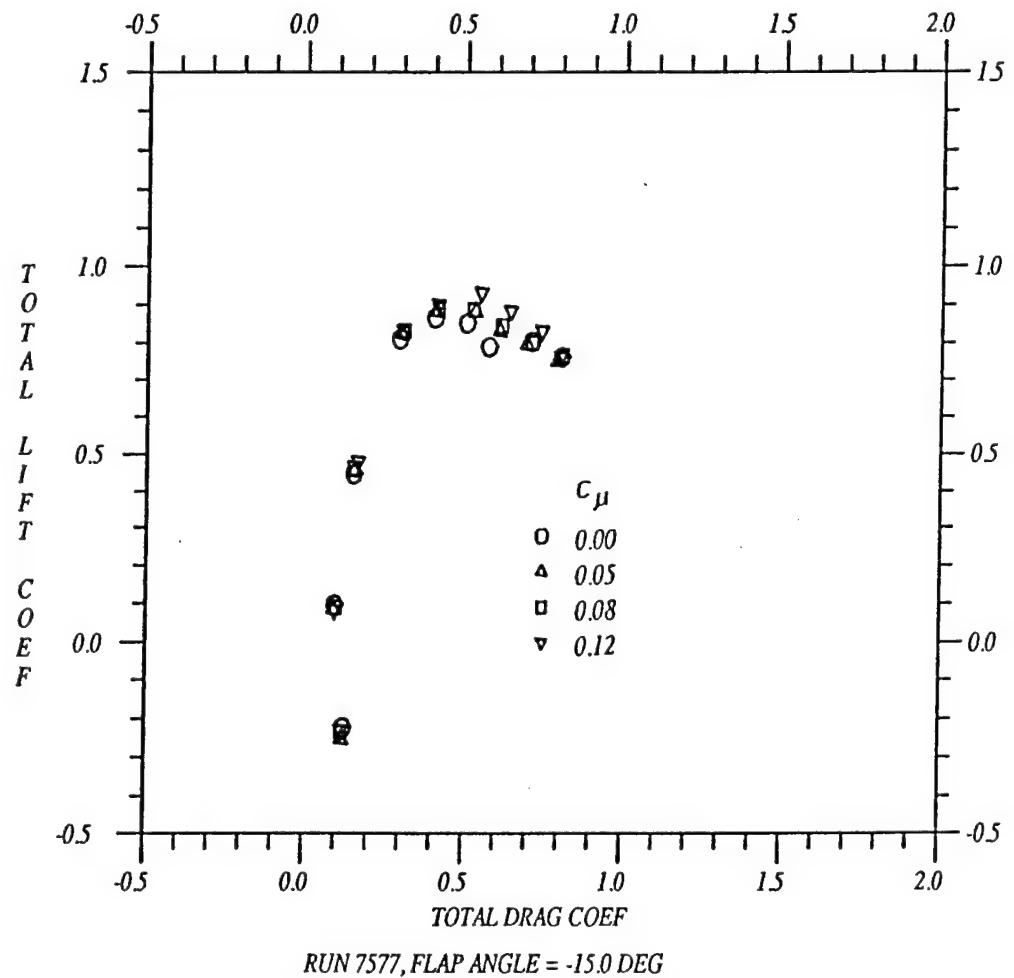


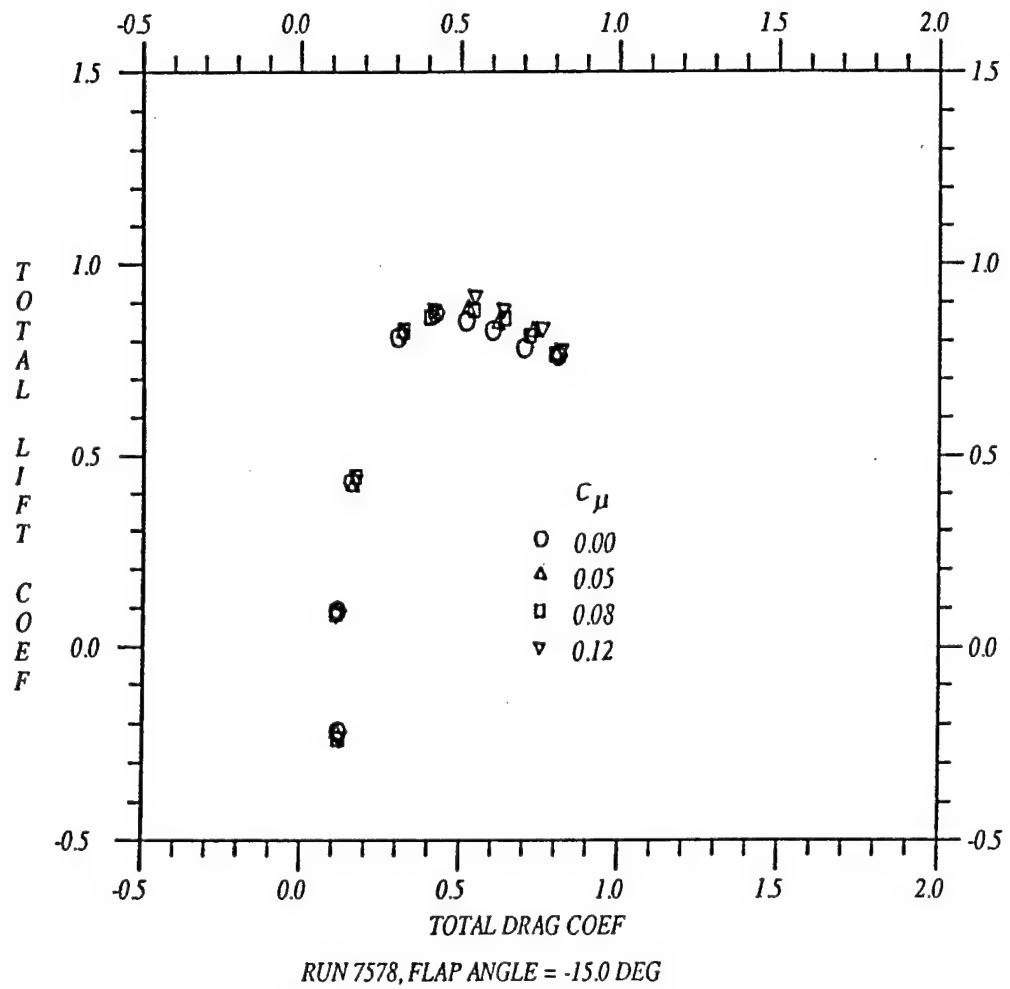












Appendix B
Listing of Data

Comments on the tabulated data:

- 1 - *'s in $CLCD$ ($= CL/CD$) column indicate large values resulting from division by very small C_D values.
- 2 - Data gathered in some of the runs is apparently inconsistent. Further testing is required to clarify the patterns seen in the following runs:

Run #	Comments
70-71	Large C_L values (as discussed in the text)
72-73	Fluctuating (increasing and decreasing) variation in C_L and C_D
74	Large value of C_D
76	Low value of C_L at $\alpha = 55^\circ$

RUN # E7508, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CY	CRM	CA	ALPHA	FLAP	PJET
1	-0.372643	0.200971	-1.854214	-0.391609	2.813873	0.160918	0.862323	0.729418	0.033497	-6.000000	16.500000	0.000000
2	-0.361161	0.198847	-1.819294	-0.380565	2.766737	0.159943	0.864514	0.719685	0.035583	-6.000000	16.500000	0.000000
3	-0.364700	0.204017	-1.787601	-0.384028	2.736188	0.164777	0.854133	0.715659	0.032883	-6.000000	16.500000	0.000000
4	-0.368211	0.207053	-1.778338	-0.387837	2.787671	0.167431	0.865499	0.732137	0.033597	-6.000000	16.500000	0.000000
5	-0.366045	0.204706	-1.788150	-0.385437	2.817699	0.165323	0.859858	0.732043	0.034898	-6.000000	16.500000	0.000000
6	-0.362924	0.203819	-1.780618	-0.382241	2.802405	0.164767	0.860373	0.725070	0.035156	-6.000000	16.500000	0.000000
7	-0.265391	0.175863	-1.509076	-0.274231	1.929169	0.161733	0.799365	0.532011	0.036145	-3.000000	16.500000	0.000000
8	-0.283328	0.176665	-1.604666	-0.292180	2.010603	0.161495	0.792054	0.549896	0.035195	-3.000000	16.500000	0.000000
9	-0.263858	0.172038	-1.523720	-0.272500	1.964796	0.157993	0.790440	0.540300	0.035597	3.000000	16.500000	0.000000
10	-0.263073	0.173101	-1.514517	-0.271804	1.944196	0.159695	0.780806	0.538253	0.035887	3.000000	16.500000	0.000000
11	-0.275340	0.179384	-1.536630	-0.284341	1.974211	0.164529	0.737375	0.538796	0.032579	3.000000	16.500000	0.000000
12	-0.268776	0.171593	-1.566356	-0.277389	2.010726	0.157292	0.780743	0.537481	0.034884	-3.000000	16.500000	0.000000
13	-0.157072	0.139567	-1.125428	-0.157072	1.068756	0.139567	0.691443	0.289629	0.040916	0.000000	16.500000	0.000000
14	-0.159908	0.137439	-1.162975	-0.159908	1.086695	0.137499	0.672217	0.292172	0.039584	0.000000	16.500000	0.000000
15	-0.162415	0.137088	-1.184752	-0.162415	1.123468	0.137088	0.673123	0.293563	0.039466	0.000000	16.500000	0.000000
16	-0.157129	0.140255	-1.120155	-0.157129	1.100556	0.140275	0.694866	0.291008	0.040940	0.000000	16.500000	0.000000
17	-0.148547	0.139111	-1.067836	-0.148547	1.052392	0.139111	0.672312	0.330962	0.040212	0.000000	16.500000	0.000000
18	-0.149597	0.139386	-1.073258	-0.149597	1.085619	0.139386	0.675461	0.277218	0.040226	0.000000	16.500000	0.000000
19	-0.082518	0.128016	-0.644594	-0.075706	0.425116	0.132159	0.585822	0.109835	0.043692	3.000000	16.500000	0.000000
20	-0.074566	0.131103	-0.568757	-0.067602	0.419538	0.134826	0.590261	0.118547	0.043826	3.000000	16.500000	0.000000
21	-0.077671	0.128668	-0.604119	-0.078335	0.464957	0.132457	0.587353	0.108151	0.040477	3.000000	16.500000	0.000000
22	-0.079895	0.131056	-0.609715	-0.072927	0.447837	0.130501	0.588663	0.110308	0.041447	3.000000	16.500000	0.000000
23	-0.068088	0.133157	-0.601138	-0.061026	0.397243	0.136538	0.585728	0.115247	0.043103	3.000000	16.500000	0.000000
24	-0.068520	0.133109	-0.514762	-0.061159	0.385043	0.136313	0.613919	0.115360	0.043730	3.000000	16.500000	0.000000
25	-0.028719	0.112762	-0.254684	-0.016775	0.012587	0.115147	0.563622	0.036017	0.041145	6.000000	16.500000	0.000000
26	-0.031402	0.119362	-0.263087	-0.018554	0.012689	0.121930	0.587539	0.036530	0.043945	6.000000	16.500000	0.000000
27	-0.034983	0.123474	-0.283325	-0.021885	0.061389	0.126454	0.579135	0.036252	0.044335	6.000000	16.500000	0.000000
28	-0.032249	0.129613	-0.248814	-0.018525	0.021285	0.132274	0.618051	0.008103	0.046416	6.000000	16.500000	0.000000
29	-0.009773	0.122378	-0.079859	0.003073	-0.063094	0.122729	0.582294	-0.001500	0.044899	6.000000	16.500000	0.000000
30	-0.009514	0.120843	-0.078728	0.003170	-0.062368	0.1211175	0.569852	0.007661	0.046789	6.000000	16.500000	0.000000
31	0.027569	0.130410	0.211404	0.049796	-0.453587	0.123641	0.590703	-0.057862	0.048819	10.000000	16.500000	0.000000
32	0.029615	0.128507	0.230457	0.051480	-0.486286	0.121412	0.609729	-0.067344	0.049386	10.000000	16.500000	0.000000
33	0.045075	0.127143	0.354523	0.066469	-0.589145	0.117384	0.599530	-0.085687	0.049809	10.000000	16.500000	0.000000
34	0.051628	0.125702	0.410714	0.072671	-0.648869	0.114827	0.579607	-0.123777	0.050313	10.000000	16.500000	0.000000
35	0.061966	0.132836	0.466486	0.084091	-0.719701	0.120058	0.579486	-0.143166	0.050877	10.000000	16.500000	0.000000
36	0.072499	0.128499	0.564201	0.093712	-0.791884	0.113958	0.597565	-0.160154	0.051279	10.000000	16.500000	0.000000
37	0.161375	0.149988	1.075922	0.194696	-1.631583	0.103110	0.441624	-0.356919	0.042144	15.000000	16.500000	0.000000
38	0.141695	0.143435	0.987871	0.173990	-1.525187	0.101874	0.440949	-0.332242	0.041333	15.000000	16.500000	0.000000
39	0.15797	0.144861	1.006459	0.178322	-1.581340	0.102190	0.442378	-0.342726	0.041856	15.000000	16.500000	0.000000
40	0.150944	0.145539	1.037139	0.183469	-1.628365	0.101513	0.445487	-0.350019	0.042160	15.000000	16.500000	0.000000
41	0.158149	0.146248	1.085481	0.191191	-1.684060	0.100177	0.430641	-0.376786	0.044854	15.000000	16.500000	0.000000
42	0.170918	0.147730	1.156961	0.203329	-1.845906	0.098459	0.433724	-0.416320	0.043588	15.000000	16.500000	0.000000

RUN # F7508, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.280717	0.150322	1.867437	0.3115201	-2.621211	0.045246	0.047343	-0.558361	0.015458	20.000000	16.500000	0.000000
44	0.303290	0.161841	1.873993	0.340352	-2.58689	0.048350	0.026194	-0.623686	0.016510	20.000000	16.500000	15.000000
45	0.324116	0.174375	1.858727	0.364209	-2.994019	0.053005	0.013761	-0.659917	0.020230	20.000000	16.500000	20.000000
46	0.333529	0.169175	1.971500	0.371276	-3.027193	0.044899	-0.008719	-0.684747	0.020635	20.000000	16.500000	25.000000
47	0.328129	0.171763	1.910362	0.367087	-3.092124	0.049178	-0.024155	-0.737255	0.018183	20.000000	16.500000	30.000000
48	0.370997	0.182212	2.036072	0.410943	-3.279534	0.044335	-0.055451	-0.784759	0.019356	20.000000	16.500000	35.000000
49	0.363233	0.166174	2.185860	0.399429	-3.315896	-0.002904	-0.414695	-0.735541	-0.014056	25.000000	16.500000	0.000000
50	0.460521	0.196533	2.343223	0.500432	-4.008560	-0.016505	-0.535208	-0.911518	-0.018442	25.000000	16.500000	15.000000
51	0.197086	0.210182	2.365031	0.539339	-4.273887	-0.019588	-0.596373	-1.002148	-0.018067	25.000000	16.500000	20.000000
52	0.536774	0.221059	2.428187	0.579906	-4.381342	-0.026502	-0.658278	-1.099821	-0.020000	25.000000	16.500000	25.000000
53	0.538406	0.215949	2.493215	0.579225	-4.710107	-0.031824	-0.60981	-1.154703	-0.015273	25.000000	16.500000	30.000000
54	0.594600	0.237099	2.507815	0.639093	-5.173153	-0.036404	-0.751033	-1.261923	-0.019473	25.000000	16.500000	35.000000
55	0.537000	0.183426	2.9227617	0.556768	-4.581364	-0.109648	-1.121653	-1.022480	-0.076147	30.000000	16.500000	0.000000
56	0.603883	0.226796	2.662668	0.636377	-5.183853	-0.105530	-1.220568	-1.117062	-0.073576	30.000000	16.500000	15.000000
57	0.368890	0.244166	2.608427	0.673646	-5.516497	-0.106205	-1.218518	-0.071640	-0.076670	30.000000	16.500000	20.000000
58	0.688193	0.248555	2.768773	0.720271	-5.892539	-0.128891	-1.373691	-1.341504	-0.07442047	0.075106	30.000000	16.500000
59	0.715691	0.262972	2.721549	0.751292	-6.176466	-0.130105	-1.404531	-1.462821	-0.076853	30.000000	16.500000	35.000000
60	0.747184	0.272564	2.741319	0.783363	-6.456900	-0.137545	-1.462821	-1.548409	-0.076853	30.000000	16.500000	35.000000
61	0.660521	0.2719047	2.367064	0.701122	-5.639170	-0.150278	-1.495957	-1.243937	-0.099851	35.000000	16.500000	0.000000
62	0.647933	0.278244	2.328654	0.660350	-5.820214	-0.143715	-1.516653	-1.297324	-0.096345	35.000000	16.500000	15.000000
63	0.714584	0.324722	2.283747	0.793723	-6.368918	-0.159358	-1.666656	-1.584661	-0.105389	35.000000	16.500000	20.000000
64	0.771468	0.336366	2.295333	0.824881	-6.801265	-0.166960	-1.690514	-1.553144	-0.098669	35.000000	16.500000	25.000000
65	0.819943	0.367500	2.231139	0.882447	-7.148113	-0.182261	-1.729471	-1.6633630	-0.097926	35.000000	16.500000	30.000000
66	0.873590	0.389114	2.245074	0.938789	-7.623694	-0.182327	-1.872658	-1.788196	-0.103579	35.000000	16.500000	35.000000
67	0.662927	0.361219	1.890616	0.755340	-6.058919	-0.162267	-1.593546	-1.317291	-0.107042	40.000000	16.500000	0.000000
68	0.723623	0.392999	1.841287	0.806943	-6.510278	-0.164081	-1.704430	-1.405425	-0.110882	40.000000	16.500000	15.000000
69	0.762401	0.411162	1.851558	0.848709	-6.716430	-0.174637	-1.752353	-1.676362	-0.110283	40.000000	16.500000	20.000000
70	0.791363	0.423486	1.868687	0.878431	-7.088367	-0.184269	-1.822614	-1.592402	-0.110631	40.000000	16.500000	25.000000
71	0.831438	0.445760	1.865214	0.923448	-7.461506	-0.192966	-1.917887	-1.700928	-0.118572	40.000000	16.500000	30.000000
72	0.8889063	0.476129	1.867272	0.987112	-7.971787	-0.206742	-2.034794	-1.821508	-0.122491	40.000000	16.500000	35.000000
73	0.689713	0.451604	1.527251	0.807033	-6.449385	-0.168368	-1.668805	-1.433329	-0.102823	45.000000	16.500000	0.000000
74	0.688201	0.461185	1.590628	0.833093	-6.55026	-0.160170	-1.653772	-1.461880	-0.102373	45.000000	16.500000	15.000000
75	0.712788	0.478997	1.490886	0.842083	-6.678675	-0.165951	-1.691198	-1.521689	-0.103738	45.000000	16.500000	20.000000
76	0.763739	0.51351	1.886881	0.901251	-7.199992	-0.176838	-1.825340	-1.654047	-0.108468	45.000000	16.500000	25.000000
77	0.824008	0.551247	1.494808	0.92452	-7.60509	-0.193871	-1.937712	-1.750898	-0.114338	45.000000	16.500000	30.000000
78	0.8226030	0.542080	1.523815	0.9671400	-7.786669	-0.200782	-2.007694	-1.853728	-0.115082	45.000000	16.500000	35.000000
79	0.6667927	0.535196	1.247539	0.839472	-6.677980	-0.167515	-1.736959	-1.520146	-0.104210	50.000000	16.500000	0.000000
80	0.681576	0.543710	1.25566	0.855164	-6.90355	-0.172227	-1.798356	-1.554706	-0.103336	50.000000	16.500000	15.000000
81	0.703227	0.555523	1.267043	0.8877204	-7.005861	-0.181954	-1.808470	-1.624990	-0.106866	50.000000	16.500000	20.000000
82	0.727319	0.578205	1.257996	0.90481	-7.195049	-0.185541	-1.865567	-1.657314	-0.107388	50.000000	16.500000	25.000000
83	0.739024	0.587470	1.25979	0.9256164	-7.348799	-0.185507	-1.878453	-1.692388	-0.108816	50.000000	16.500000	30.000000
84	0.762248	0.602294	1.263155	0.951501	-7.637855	-0.196640	-1.964752	-1.797071	-0.112289	50.000000	16.500000	35.000000

RUN # E7509, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	PJET
1	-0.284288	0.145294	-1.956637	-0.297918	2.288541	0.114782	0.877379	0.606563	0.042055	-6.000000	11.500000	0.000000
2	-0.284292	0.155720	-1.825661	-0.299012	2.333891	0.125150	0.870283	0.625381	0.044501	-6.000000	11.500000	15.000000
3	-0.294556	0.156619	-1.880713	-0.309314	2.356213	0.1294972	0.865351	0.630372	0.044732	-6.000000	11.500000	20.000000
4	-0.277217	0.159296	-1.740261	-0.292359	2.272524	0.129447	0.865918	0.629592	0.045332	-6.000000	11.500000	25.000000
5	-0.294737	0.159364	-1.849453	-0.309781	2.317403	0.127683	0.859229	0.620510	0.044004	-6.000000	11.500000	30.000000
6	-0.305271	0.157391	-1.939579	-0.320051	2.3331358	0.124619	0.864505	0.624040	0.042078	-6.000000	11.500000	35.000000
7	-0.200713	0.138236	-1.451957	-0.207672	1.479143	0.127542	0.758175	0.406737	0.044092	-3.000000	11.500000	0.000000
8	-0.205552	0.139964	-1.468604	-0.212595	1.507835	0.129015	0.744775	0.426886	0.043746	-3.000000	11.500000	15.000000
9	-0.201985	0.137665	-1.467220	-0.208914	1.517364	0.126906	0.758451	0.426105	0.045566	-3.000000	11.500000	20.000000
10	-0.194599	0.130627	-1.489734	-0.201169	1.497223	0.120263	0.718393	0.403489	0.042700	-3.000000	11.500000	25.000000
11	-0.188715	0.130202	-1.449405	-0.195270	1.481726	0.120147	0.750335	0.423016	0.044529	-3.000000	11.500000	30.000000
12	-0.191751	0.134173	-1.429129	-0.198510	1.516334	0.123954	0.756810	0.4155578	0.043863	-3.000000	11.500000	35.000000
13	-0.142651	0.106677	-1.337222	-0.142651	0.953214	0.106677	0.682041	0.272064	0.046226	0.000000	11.500000	0.000000
14	-0.111414	0.104514	-1.064024	-0.111414	0.716135	0.104514	0.659497	0.223534	0.050799	0.000000	11.500000	15.000000
15	-0.101894	0.107911	-0.944239	-0.101894	0.726047	0.107911	0.670521	0.20281	0.051456	0.000000	11.500000	20.000000
16	-0.106563	0.106517	-1.000432	-0.106563	0.739123	0.106517	0.662914	0.195548	0.050133	0.000000	11.500000	25.000000
17	-0.110730	0.101909	-0.86560	-0.110730	0.777158	0.101909	0.670222	0.205030	0.047252	0.000000	11.500000	30.000000
18	-0.108454	0.095697	-1.133310	-0.108454	0.777487	0.095697	0.655278	0.210959	0.046213	0.000000	11.500000	35.000000
19	-0.031342	0.096325	-0.325373	-0.026257	0.188415	0.097833	0.590153	0.069197	0.048382	3.000000	11.500000	0.000000
20	-0.030976	0.090022	-0.344091	-0.026222	0.187218	0.091520	0.585816	0.0553109	0.047904	3.000000	11.500000	15.000000
21	-0.027001	0.096777	-0.279008	-0.021900	0.163849	0.098057	0.584696	0.045996	0.045892	3.000000	11.500000	20.000000
22	-0.026987	0.09302	-0.283172	-0.021962	0.148428	0.096583	0.593756	0.045353	0.045653	3.000000	11.500000	25.000000
23	-0.020030	0.101354	-0.197625	-0.014698	0.131502	0.102263	0.569456	0.035925	0.048779	3.000000	11.500000	30.000000
24	-0.017447	0.096559	-0.180691	-0.012370	0.143246	0.097340	0.588593	0.027437	0.044033	3.000000	11.500000	35.000000
25	0.018233	0.099236	0.183737	0.028506	-0.178216	0.096786	0.560475	-0.020010	0.050438	6.000000	11.500000	0.000000
26	0.010025	0.099115	0.101146	0.020330	-0.204705	0.097524	0.580692	-0.029886	0.051619	6.000000	11.500000	15.000000
27	0.019273	0.106044	0.181745	0.030252	-0.211746	0.103448	0.560065	-0.039026	0.051130	6.000000	11.500000	20.000000
28	0.030734	0.102121	0.300054	0.041240	-0.295028	0.098349	0.569237	-0.058206	0.052102	6.000000	11.500000	25.000000
29	0.039001	0.109164	0.357270	0.050198	-0.330935	0.104489	0.564915	-0.105655	0.052503	6.000000	11.500000	30.000000
30	0.059100	0.109770	0.538400	0.070251	-0.385835	0.102991	0.565480	-0.121619	0.054134	6.000000	11.500000	25.000000
31	0.090768	0.118687	0.764764	0.109999	-0.851256	0.101123	0.577649	-0.172517	0.057058	10.000000	11.500000	0.000000
32	0.087530	0.119489	0.732538	0.106550	-0.865358	0.102474	0.586756	-0.191714	0.057303	10.000000	11.500000	15.000000
33	0.099696	0.123925	0.804487	0.11901	-0.941746	0.104131	0.579039	-0.229168	0.057834	10.000000	11.500000	20.000000
34	0.104437	0.121916	0.856626	0.124221	-0.97173	0.101929	0.555384	-0.243783	0.056914	10.000000	11.500000	25.000000
35	0.130494	0.128795	1.013195	0.150877	-1.131119	0.104178	0.583410	-0.299805	0.060010	10.000000	11.500000	30.000000
36	0.140313	0.131888	1.063875	0.161083	-1.245463	0.105520	0.553093	-0.334185	0.062576	10.000000	11.500000	35.000000
37	0.202600	0.139960	1.447563	0.231921	-1.943652	0.082754	0.410369	-0.497510	0.051897	15.000000	11.500000	0.000000
38	0.232081	0.147078	1.577942	0.262240	-2.079937	0.082000	0.410649	-0.510376	0.053334	15.000000	11.500000	15.000000
39	0.227137	0.147407	1.540888	0.257549	-2.056963	0.083597	0.417998	-0.506171	0.053077	15.000000	11.500000	20.000000
40	0.237118	0.151242	1.567812	0.268183	-2.121171	0.084717	0.421259	-0.524066	0.053320	15.000000	11.500000	25.000000
41	0.253679	0.154315	1.643390	0.284978	-2.204494	0.083400	0.402045	-0.558244	0.054302	15.000000	11.500000	30.000000
42	0.247092	0.154437	1.599958	0.278644	-2.235904	0.0835222	0.398368	-0.573122	0.054223	15.000000	11.500000	35.000000

RUN # E7509, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.357707	0.157848	2.266147	0.390122	-3.131321	0.025986	-0.037997	-0.727977	0.020498	20.000000	11.500000	0.000000
44	0.368232	0.159593	2.307325	0.400609	-3.277477	0.024025	-0.059937	-0.768357	0.021148	20.000000	11.500000	15.000000
45	0.358576	0.153709	2.332828	0.389522	-3.300656	0.021799	-0.063992	-0.798497	0.018484	20.000000	11.500000	20.000000
46	0.385019	0.167505	2.298559	0.419089	-3.481194	0.025719	-0.068165	-0.840692	0.025247	20.000000	11.500000	25.000000
47	0.412201	0.175031	2.355021	0.447206	-3.626340	0.023494	-0.106203	-0.886104	0.023222	20.000000	11.500000	30.000000
48	0.440298	0.179283	2.455886	0.475063	-3.747467	0.017880	-0.111193	-0.923325	0.024112	20.000000	11.500000	35.000000
49	0.449150	0.187535	2.395024	0.486324	-3.790447	0.019855	-0.517773	-0.867763	-0.010659	25.000000	11.500000	0.000000
50	0.520771	0.205919	2.529008	0.559004	-4.321013	0.033461	-0.582214	-1.007510	-0.014833	25.000000	11.500000	15.000000
51	0.552715	0.213716	2.586218	0.591250	-4.680596	0.039895	-0.652963	-1.120952	-0.013818	25.000000	11.500000	20.000000
52	0.617786	0.234901	2.629987	0.659177	-5.181250	0.048195	-0.777451	-1.27902	-0.018655	25.000000	11.500000	25.000000
53	0.610161	0.226289	2.696379	0.648862	-5.240353	0.052777	-0.723821	-1.262334	-0.010587	25.000000	11.500000	30.000000
54	0.680337	0.260162	2.615047	0.726544	-5.669302	0.051735	-0.829023	-1.389350	-0.012341	25.000000	11.500000	35.000000
55	0.604472	0.239814	2.520378	0.643405	-4.954989	0.094533	-1.228883	-1.134103	-0.066974	30.000000	11.500000	0.000000
56	0.639709	0.259087	2.469889	0.683548	-5.353045	0.095478	-1.278581	-1.22150	-0.059697	30.000000	11.500000	15.000000
57	0.731038	0.287433	2.543330	0.776814	-6.097895	0.116594	-1.465667	-1.423092	-0.074769	30.000000	11.500000	20.000000
58	0.723358	0.289632	2.496694	0.771292	-6.286749	0.110798	-1.426684	-1.472441	-0.064929	30.000000	11.500000	25.000000
59	0.754104	0.306263	2.464072	0.806735	-6.400578	0.112103	-1.401851	-1.522192	-0.056833	30.000000	11.500000	30.000000
60	0.823514	0.327663	2.513292	0.877015	-7.031662	-0.127992	-1.566028	-1.692233	-0.071077	30.000000	11.500000	35.000000
61	0.661179	0.297076	2.225562	0.712002	-5.704169	-0.135886	-1.493036	-1.279307	-0.089236	35.000000	11.500000	0.000000
62	0.753020	0.347859	2.164130	0.816361	-6.365283	0.146965	-1.649040	-1.44424	-0.095107	35.000000	11.500000	15.000000
63	0.771249	0.363939	2.118097	0.840534	-6.681479	0.144224	-1.654256	-1.526668	-0.093373	35.000000	11.500000	20.000000
64	0.800807	0.369832	2.165225	0.868110	-7.072318	0.156375	-1.734201	-1.617654	-0.095009	35.000000	11.500000	25.000000
65	0.873662	0.411702	2.122076	0.951805	-7.625907	0.1633865	-1.879797	-1.814778	-0.094347	35.000000	11.500000	30.000000
66	0.902883	0.419790	2.150198	0.980380	-7.947641	-0.174000	-1.921207	-1.902200	-0.094749	35.000000	11.500000	35.000000
67	0.668293	0.380244	1.757536	0.756359	-6.168958	0.138286	-1.604041	-1.364335	-0.090711	40.000000	11.500000	0.000000
68	0.765021	0.449438	1.702271	0.874933	-6.940801	0.147456	-1.729702	-1.48033	-0.04632	40.000000	11.500000	15.000000
69	0.773270	0.430715	1.795319	0.8669218	-7.048215	0.167101	-1.794875	-1.590178	0.105987	40.000000	11.500000	20.000000
70	0.797019	0.435938	1.828160	0.890787	-7.267269	0.178343	-1.821185	-1.634964	-0.104180	40.000000	11.500000	25.000000
71	0.857531	0.492091	1.742873	0.973112	-7.933572	0.174299	-1.933556	-1.780388	-0.10377	40.000000	11.500000	30.000000
72	0.907771	0.513061	1.769326	1.025181	-8.263501	-0.190476	-2.075985	-1.923321	-0.107518	40.000000	11.500000	35.000000
73	0.692896	0.472555	1.466243	0.824105	-6.547769	-0.155796	-1.653923	-1.514539	-0.093124	45.000000	11.500000	0.000000
74	0.702999	0.480135	1.464169	0.8316602	-6.721372	0.157588	-1.669946	-1.558113	-0.03791	45.000000	11.500000	15.000000
75	0.752493	0.509386	1.477255	0.8922483	-7.037534	0.171902	-1.722910	-1.601727	-0.095378	45.000000	11.500000	20.000000
76	0.774949	0.529694	1.463250	0.922459	-7.362353	0.173484	-1.806120	-1.690166	-0.093038	45.000000	11.500000	25.000000
77	0.801367	0.538712	1.487559	0.947519	-7.595885	0.185724	-1.861887	-1.777009	-0.098788	45.000000	11.500000	30.000000
78	0.8398869	0.5707140	1.471544	0.997452	-7.983216	-0.190302	-1.952320	-1.886557	-0.101005	45.000000	11.500000	35.000000
79	0.635412	0.532761	1.192676	0.816554	-6.525040	-0.144301	-2.785711	-1.507441	-0.776941	50.000000	11.500000	0.000000
80	0.666113	0.565555	1.177816	0.861437	-6.758711	-0.14675	-2.859356	-1.60725	-0.77832	50.000000	11.500000	15.000000
81	0.665329	0.555021	1.198628	0.852875	-6.70571	-0.152878	-2.826808	-1.603448	-0.783825	50.000000	11.500000	20.000000
82	0.689124	0.583225	1.181473	0.889775	-7.045106	-0.152977	-2.923676	-1.68832	-0.798255	50.000000	11.500000	25.000000
83	0.686519	0.58704	1.169442	0.891030	-7.102026	-0.148563	-2.893359	-1.656061	-0.785430	50.000000	11.500000	30.000000
84	0.712410	0.601369	1.184648	0.918603	-7.290992	-0.159185	-2.924812	-1.744157	-0.773345	50.000000	11.500000	35.000000

RUN # F7510, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.192450	0.141240	-1.362576	-0.206159	1.534152	0.120350	0.723759	0.299815	0.049592	-6.000000	5.000000	0.000000
2	-0.212074	0.142313	-1.490193	-0.225788	1.613382	0.119366	0.710359	0.334426	0.048961	-6.000000	5.000000	15.000000
3	-0.212990	0.145229	-1.466552	-0.227004	1.645345	0.122170	0.708438	0.336720	0.045809	-6.000000	5.000000	20.000000
4	-0.228589	0.138607	-1.649190	-0.241825	1.637377	0.113953	0.686864	0.353465	0.045498	-6.000000	5.000000	25.000000
5	-0.226365	0.146450	-1.545668	-0.240433	1.704650	0.121986	0.722233	0.344235	0.048519	-6.000000	5.000000	30.000000
6	-0.221190	0.151544	-1.459573	-0.235889	1.680330	0.12593	0.728641	0.353695	0.049016	-6.000000	5.000000	35.000000
7	-0.126506	0.124611	-1.015207	-0.132854	0.871514	0.117819	0.654567	0.177526	0.054478	-3.000000	5.000000	0.000000
8	-0.124814	0.121973	-1.023292	-0.131027	0.923664	0.11274	0.654435	0.196129	0.054021	-3.000000	5.000000	15.000000
9	-0.137253	0.124274	-1.104441	-0.143569	0.978173	0.116920	0.647287	0.200438	0.049706	-3.000000	5.000000	20.000000
10	-0.132220	0.121284	-1.090165	-0.138386	0.976267	0.111198	0.642228	0.203534	0.052868	-3.000000	5.000000	25.000000
11	-0.139325	0.123801	-1.125394	-0.145614	0.992223	0.116340	0.651710	0.203317	0.050270	-3.000000	5.000000	30.000000
12	-0.137136	0.126992	-1.133426	-0.143280	0.991511	0.115649	0.640837	0.200537	0.051984	-3.000000	5.000000	35.000000
13	-0.037217	0.113858	-0.326868	-0.037217	0.225701	0.113858	0.620631	0.020578	0.054319	0.000000	5.000000	0.000000
14	-0.048122	0.110000	-0.437470	-0.048122	0.276167	0.110722	0.588748	-0.010857	0.049934	0.000000	5.000000	15.000000
15	-0.037429	0.109855	-0.340712	-0.037429	0.264168	0.109855	0.596950	-0.01533	0.052477	0.000000	5.000000	20.000000
16	-0.059839	0.108906	-0.549452	-0.059839	0.352554	0.109006	0.609895	-0.019697	0.05987	0.000000	5.000000	25.000000
17	-0.056410	0.109186	-0.516642	-0.056410	0.349219	0.109186	0.613225	-0.029407	0.052020	0.000000	5.000000	30.000000
18	-0.048328	0.111219	-0.434530	-0.048328	0.290932	0.111219	0.626585	-0.048372	0.053128	0.000000	5.000000	35.000000
19	0.028542	0.105557	0.270395	0.034027	-0.277000	0.103918	0.556743	-0.159066	0.053549	3.000000	5.000000	0.000000
20	0.023975	0.101053	0.237254	0.029231	-0.250647	0.099660	0.561897	-0.157733	0.052976	3.000000	5.000000	15.000000
21	0.030645	0.100546	0.304782	0.035865	-0.310824	0.09804	0.568732	-0.169509	0.054519	3.000000	5.000000	20.000000
22	0.036546	0.104025	0.351315	0.041940	-0.369366	0.101970	0.592684	-0.208220	0.057988	3.000000	5.000000	25.000000
23	0.040957	0.105095	0.389720	0.046492	-0.410100	0.102007	0.595540	-0.219182	0.058512	3.000000	5.000000	30.000000
24	0.055653	0.104843	0.530826	0.061064	-0.479579	0.101787	0.587812	-0.242418	0.060851	3.000000	5.000000	35.000000
25	0.089251	0.108876	0.819748	0.100142	-0.777606	0.098950	0.520996	-0.267763	0.060597	6.000000	5.000000	0.000000
26	0.103203	0.113462	0.909577	0.114497	-0.908013	0.102053	0.523350	-0.311214	0.062583	6.000000	5.000000	15.000000
27	0.115040	0.111849	1.028528	0.126192	-0.938091	0.099212	0.521641	-0.327122	0.066345	6.000000	5.000000	20.000000
28	0.115304	0.117340	0.982643	0.126937	-0.995152	0.104645	0.543089	-0.361547	0.068038	6.000000	5.000000	25.000000
29	0.130558	0.117367	1.112395	0.142111	-1.103165	0.103077	0.531178	-0.383822	0.075377	10.000000	5.000000	30.000000
30	0.141092	0.116076	1.215515	0.152452	-1.247470	0.100692	0.533354	-0.424897	0.072060	6.000000	5.000000	25.000000
31	0.170128	0.132897	1.280149	0.190621	-1.609725	0.101336	0.514775	-0.483790	0.069626	10.000000	5.000000	0.000000
32	0.188773	0.132704	1.422513	0.208949	-1.708729	0.097908	0.522283	-0.518010	0.071074	10.000000	5.000000	15.000000
33	0.197432	0.132765	1.487084	0.217487	-1.808083	0.096464	0.515520	-0.543353	0.073564	10.000000	5.000000	20.000000
34	0.213185	0.139378	1.529552	0.234149	-1.908194	0.100241	0.528184	-0.583721	0.075415	10.000000	5.000000	25.000000
35	0.225013	0.139026	1.618491	0.245736	-1.986818	0.097841	0.530576	-0.622499	0.075377	10.000000	5.000000	30.000000
36	0.242883	0.145014	1.674896	0.264374	-2.137630	0.100634	0.536159	-0.670092	0.080144	10.000000	5.000000	35.000000
37	0.3268026	0.160493	2.043860	0.358387	-2.884923	0.070125	0.287591	-0.839809	0.055023	15.000000	5.000000	0.000000
38	0.304890	0.160309	1.901890	0.335992	-2.718705	0.075935	0.310599	-0.790138	0.059222	15.000000	5.000000	15.000000
39	0.312546	0.161582	1.934241	0.343718	-2.843561	0.075187	0.295768	-0.808664	0.059552	15.000000	5.000000	20.000000
40	0.311426	0.148796	2.092972	0.339325	-2.896258	0.063123	0.270831	-0.802486	0.062933	15.000000	5.000000	25.000000
41	0.335431	0.164068	2.044471	0.366466	-2.964181	0.071661	0.283315	-0.851972	0.055307	15.000000	5.000000	30.000000
42	0.373392	0.171303	2.179720	0.405005	-3.299048	0.068825	0.279594	-0.950205	0.063403	15.000000	5.000000	35.000000

RUN # F7510, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.453630	0.183246	2.475528	0.488946	-3.939159	0.017044	-0.171189	-1.084316	0.027056	20.000000	5.000000	0.000000
44	0.456331	0.184663	2.491156	0.491769	-3.988019	0.017452	-0.172207	-1.073886	0.027537	20.000000	5.000000	15.000000
45	0.492091	0.192832	2.551920	0.528366	-4.275908	0.012898	-0.206270	-1.182585	0.023913	20.000000	5.000000	25.000000
46	0.512498	0.204690	2.503784	0.551599	-4.403161	0.017061	-0.189826	-1.179075	0.030639	20.000000	5.000000	30.000000
47	0.559795	0.222887	2.511566	0.602267	-4.751392	0.017984	-0.235083	-1.307887	0.030163	20.000000	5.000000	30.000000
48	0.558824	0.217759	2.566252	0.599601	-4.808998	0.013497	-0.239492	-1.320064	0.030322	20.000000	5.000000	35.000000
49	0.556543	0.230314	2.416447	0.601734	-4.648181	0.026469	-0.603177	-1.129529	-0.009102	25.000000	5.000000	0.000000
50	0.602872	0.241022	2.501313	0.648248	-5.198426	0.036344	-0.677967	-1.277072	-0.006945	25.000000	5.000000	15.000000
51	0.648323	0.255049	2.541961	0.695369	-5.541945	0.042841	-0.753489	-1.452703	-0.005565	25.000000	5.000000	20.000000
52	0.662992	0.251734	2.633701	0.707262	-5.791566	0.052044	-0.822763	-1.539492	-0.010247	25.000000	5.000000	25.000000
53	0.680631	0.255812	2.660672	0.724972	-5.856066	0.055803	-0.888174	-1.618109	-0.010304	25.000000	5.000000	30.000000
54	0.790479	0.293347	2.694688	0.840391	-6.696905	0.068208	-0.968184	-1.850525	-0.014467	25.000000	5.000000	35.000000
55	0.646386	0.263350	2.454479	0.691461	-5.581345	0.095125	-1.174870	-1.356800	-0.051666	30.000000	5.000000	0.000000
56	0.742955	0.316719	2.345785	0.801777	-6.288954	0.097190	-1.285761	-1.552191	-0.065719	30.000000	5.000000	15.000000
57	0.780697	0.329855	2.366769	0.841032	-6.706863	0.104683	-1.704455	-1.60327	-0.060327	30.000000	5.000000	20.000000
58	0.827205	0.341388	2.423067	0.887074	-7.063251	0.117952	-1.456434	-1.783429	-0.051218	30.000000	5.000000	25.000000
59	0.864065	0.365014	2.367212	0.930809	-7.496805	0.115921	-1.453285	-1.911018	-0.047961	30.000000	5.000000	30.000000
60	0.920421	0.385799	2.385752	0.990007	-7.8711484	0.126098	-1.596523	-2.039655	-0.054296	30.000000	5.000000	35.000000
61	0.745859	0.361164	2.065152	0.818127	-6.458972	0.131958	-1.503767	-1.560197	-0.079206	35.000000	5.000000	0.000000
62	0.794909	0.382916	2.075939	0.870783	-6.953055	0.142275	-1.571436	-1.669955	-0.082362	35.000000	5.000000	15.000000
63	0.842758	0.423688	1.989103	0.933365	-7.288915	0.136321	-1.629434	-1.761304	-0.084119	35.000000	5.000000	20.000000
64	0.875134	0.425339	2.057499	0.968032	-7.720757	0.153539	-1.741813	-1.884487	-0.085719	35.000000	5.000000	25.000000
65	0.929926	0.449069	2.070786	1.019327	-8.091033	0.165527	-1.838453	-2.040510	-0.094501	35.000000	5.000000	30.000000
66	0.938923	0.456906	2.054958	1.031191	-8.471156	0.164268	-1.853979	-2.161071	-0.084385	35.000000	5.000000	35.000000
67	0.733021	0.433340	1.691561	0.840072	-6.783911	0.132077	-1.636419	-1.655478	-0.089245	40.000000	5.000000	0.000000
68	0.760994	0.461315	1.649618	0.879483	-6.982382	0.135769	-1.666122	-1.691110	-0.089739	40.000000	5.000000	15.000000
69	0.798756	0.466183	1.636661	0.911540	-7.353661	0.156313	-1.737770	-1.761965	-0.091635	40.000000	5.000000	20.000000
70	0.866468	0.514232	1.684974	0.994295	-7.809622	0.163029	-1.833213	-1.940459	-0.097159	40.000000	5.000000	25.000000
71	0.886843	0.518722	1.709670	1.012789	-8.244179	0.172687	-1.966828	-2.051990	-0.097658	40.000000	5.000000	30.000000
72	0.949587	0.551504	1.721812	1.081926	-8.741220	0.187905	-2.029186	-2.149587	-0.102508	40.000000	5.000000	35.000000
73	0.687070	0.500284	1.373360	0.839586	-6.882272	0.132077	-1.716511	-1.826666	-0.086954	45.000000	5.000000	0.000000
74	0.724644	0.524764	1.380894	0.883465	-7.140230	0.141336	-1.696865	-1.769340	-0.088774	45.000000	5.000000	15.000000
75	0.760627	0.556061	1.367885	0.931039	-7.344606	0.144650	-1.722086	-1.797847	-0.092503	45.000000	5.000000	20.000000
76	0.769094	0.561448	1.369839	0.940835	-7.495534	0.146827	-1.775304	-1.878391	-0.091988	45.000000	5.000000	25.000000
77	0.819134	0.604253	1.355613	1.006487	-7.939391	0.151943	-1.866330	-1.972278	-0.094307	45.000000	5.000000	30.000000
78	0.8333673	0.593470	1.404744	1.009143	-8.091798	0.169849	-1.904640	-2.047580	-0.095190	45.000000	5.000000	35.000000
79	0.701071	0.590895	1.186456	0.903291	-7.1919122	-0.157231	-1.753306	-1.808530	-0.089347	50.000000	5.000000	0.000000
80	0.712237	0.601812	1.183488	0.918832	-7.386003	-0.158767	-1.765902	-1.831321	-0.090997	50.000000	5.000000	15.000000
81	0.736408	0.621024	1.181989	0.956018	-7.491324	-0.163648	-1.792311	-1.865471	-0.090921	50.000000	5.000000	20.000000
82	0.734638	0.615120	1.194300	0.943426	-7.596383	-0.1801063	-1.86373	-1.896089	-0.091044	50.000000	5.000000	25.000000
83	0.751648	0.624514	1.203572	0.961556	-7.775431	-0.1743365	-1.875108	-1.951241	-0.095942	50.000000	5.000000	30.000000
84	0.769624	0.644541	1.194065	0.988452	-7.922835	-0.175262	-1.894197	-1.998198	-0.095030	50.000000	5.000000	35.000000

RUN # F7511, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CIM	CRM	CA	ALPHA	FLAP	PJET
1	-0.142396	0.126494	-1.125713	-0.154838	1.123558	0.110917	0.707310	0.172062	0.054400	-6.000000	0.000000	0.000000
2	-0.160905	0.124514	-1.292269	-0.173039	1.258029	0.107012	0.718910	0.198668	0.050656	-6.000000	0.000000	15.000000
3	-0.173897	0.131023	-1.327229	-0.186640	1.282927	0.112128	0.745433	0.218656	0.053870	-6.000000	0.000000	20.000000
4	-0.168139	0.129861	-1.299383	-0.181389	1.238572	0.111511	0.724182	0.211393	0.053548	-6.000000	0.000000	25.000000
5	-0.160410	0.129429	-1.239370	-0.173060	1.232261	0.111952	0.705908	0.204113	0.052551	-6.000000	0.000000	30.000000
6	-0.170361	0.137341	-1.240418	-0.183784	1.274583	0.118782	0.711312	0.218169	0.053439	-6.000000	0.000000	35.000000
7	-0.062045	0.118072	-0.525486	-0.068140	0.457001	0.114663	0.650553	-0.010868	0.056682	-3.000000	0.000000	0.000000
8	-0.075134	0.116958	-0.642398	-0.081152	0.576325	0.112866	0.640570	0.035685	0.053604	-3.000000	0.000000	15.000000
9	-0.071312	0.119143	-0.598542	-0.07450	0.601691	0.115247	0.624732	0.049915	0.049773	-3.000000	0.000000	20.000000
10	-0.074136	0.118547	-0.625368	-0.080238	0.556049	0.114505	0.656565	0.053650	0.056101	-3.000000	0.000000	25.000000
11	-0.081116	0.122226	-0.663815	-0.087421	0.583231	0.117813	0.650428	0.07474	0.055577	-3.000000	0.000000	30.000000
12	-0.077759	0.118473	-0.656427	-0.083863	0.592223	0.114241	0.642833	0.042959	0.054083	-3.000000	0.000000	35.000000
13	0.012803	0.112453	0.113853	0.012803	-0.171771	0.112453	0.610755	-0.184319	0.060810	0.000000	0.000000	0.000000
14	0.001774	0.115928	0.015299	0.001774	-0.120967	0.115928	0.596479	-0.169309	0.061080	0.000000	0.000000	15.000000
15	-0.001177	0.116496	-0.010106	-0.001177	-0.127895	0.116496	0.619244	-0.177910	0.061322	0.000000	0.000000	20.000000
16	0.009001	0.112635	0.079905	0.009001	-0.214565	0.112645	0.633871	-0.172569	0.063309	0.000000	0.000000	25.000000
17	0.012334	0.113995	0.059689	0.012334	-0.188713	0.113995	0.640337	-0.216578	0.065117	0.000000	0.000000	30.000000
18	0.007098	0.118915	0.059689	0.007098	-0.187665	0.118915	0.621682	-0.203953	0.064063	0.000000	0.000000	35.000000
19	0.075475	0.106612	0.707939	0.080951	-0.681128	0.102516	0.528009	-0.283421	0.059255	3.000000	0.000000	0.000000
20	0.086220	0.111178	0.777515	0.091920	-0.647985	0.106513	0.5633509	-0.297641	0.061960	3.000000	0.000000	15.000000
21	0.074285	0.114033	0.651053	0.080153	-0.690416	0.110019	0.553915	-0.315903	0.064572	3.000000	0.000000	20.000000
22	0.088215	0.116394	0.757903	0.094186	-0.802829	0.111618	0.561846	-0.341692	0.067968	3.000000	0.000000	25.000000
23	0.125325	0.119562	1.044203	0.131411	-0.9119138	0.112839	0.581723	-0.371928	0.068713	3.000000	0.000000	30.000000
24	0.091585	0.117339	0.780378	0.097601	-0.884884	0.112405	0.589335	-0.371941	0.072000	3.000000	0.000000	35.000000
25	0.148296	0.124091	1.195056	0.160455	-1.294495	0.107910	0.518840	-0.448801	0.070867	6.000000	0.000000	0.000000
26	0.158134	0.126047	1.254562	0.170443	-1.406065	0.108827	0.540722	-0.498972	0.073467	6.000000	0.000000	15.000000
27	0.178734	0.125598	1.423666	0.198883	-1.4069696	0.106227	0.554968	-0.520469	0.076445	6.000000	0.000000	20.000000
28	0.169079	0.126552	1.335647	0.181381	-1.592173	0.108195	0.556872	-0.570317	0.078294	6.000000	0.000000	25.000000
29	0.194082	0.126223	1.537611	0.202213	-1.564477	0.105245	0.544173	-0.562705	0.074770	6.000000	0.000000	30.000000
30	0.211998	0.124660	1.701314	0.223861	-1.772313	0.101757	0.555497	-0.624775	0.082336	6.000000	0.000000	25.000000
31	0.262442	0.153167	1.713436	0.285552	-2.249430	0.105268	0.524103	-0.717273	0.077708	10.000000	0.000000	0.000000
32	0.266640	0.153786	1.7333843	0.283294	-2.340328	0.105198	0.517841	-0.743700	0.080754	10.000000	0.000000	15.000000
33	0.291728	0.161162	1.810155	0.315781	-2.478991	0.108055	0.537863	-0.803558	0.085247	10.000000	0.000000	20.000000
34	0.278653	0.145162	1.918302	0.299643	-2.393559	0.104666	0.505611	-0.777938	0.082561	10.000000	0.000000	25.000000
35	0.300036	0.158556	1.892295	0.323011	-2.633439	0.104047	0.542270	-0.845140	0.083977	10.000000	0.000000	30.000000
36	0.316293	0.163358	1.936190	0.339855	-2.721982	0.105953	0.552075	-0.870289	0.090047	10.000000	0.000000	35.000000
37	0.399925	0.181134	2.207897	0.433179	-3.508718	0.071454	0.276097	-1.029843	0.066722	15.000000	0.000000	0.000000
38	0.411182	0.182372	2.254642	0.444373	-3.544734	0.069736	0.26002	-1.013536	0.066561	15.000000	0.000000	15.000000
39	0.404498	0.178754	2.262878	0.436980	-3.517691	0.067971	0.276575	-1.028565	0.067286	15.000000	0.000000	20.000000
40	0.427404	0.186966	2.285997	0.461231	-3.689148	0.069975	0.263309	-1.051984	0.071025	15.000000	0.000000	25.000000
41	0.419101	0.192103	2.181642	0.454540	-3.648188	0.077087	0.284560	-1.071889	0.071249	15.000000	0.000000	30.000000
42	0.437278	0.192908	2.266771	0.472307	-3.786934	0.073159	0.279812	-1.086171	0.071491	15.000000	0.000000	35.000000

RUN # F7511, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.546083	0.220752	2.482799	0.590531	-4.627119	0.019984	-0.189057	-1.255510	0.029980	20.000000	0.000000	0.000000
44	0.565586	0.228093	2.470861	0.607610	-4.787482	0.021580	-0.218910	-1.283854	0.030693	20.000000	0.000000	15.000000
45	0.580054	0.227110	2.558033	0.623594	-4.92594	0.017165	-0.207613	-1.350054	0.029230	20.000000	0.000000	20.000000
46	0.594084	0.236763	2.509196	0.639234	-5.054451	0.019296	-0.238604	-1.376031	0.032619	20.000000	0.000000	25.000000
47	0.593414	0.237184	2.501908	0.638748	-5.189739	0.019921	-0.236908	-1.434723	0.033450	20.000000	0.000000	30.000000
48	0.650393	0.251615	2.584874	0.697227	-5.413140	0.013993	-0.244608	-1.480339	0.035420	20.000000	0.000000	35.000000
49	0.608226	0.254053	2.394089	0.658608	-5.304624	0.026797	-0.683023	-1.359821	-0.010217	25.000000	0.000000	0.000000
50	0.692116	0.279582	2.475539	0.745427	-5.828137	0.039113	-0.754030	-1.522258	-0.009067	25.000000	0.000000	15.000000
51	0.714814	0.287166	2.489200	0.769203	-6.122388	0.041832	-0.783428	-1.595711	-0.007056	25.000000	0.000000	20.000000
52	0.765728	0.298100	2.568694	0.819667	-6.528403	0.053440	-0.824460	-1.756339	-0.005450	25.000000	0.000000	25.000000
53	0.803286	0.320710	2.523421	0.869000	-6.766174	0.051357	-0.831546	-1.848707	-0.003044	25.000000	0.000000	30.000000
54	0.766488	0.301244	2.494722	0.824521	-6.545979	0.045474	-0.752822	-1.815960	-0.002297	25.000000	0.000000	35.000000
55	0.735058	0.321552	2.285969	0.797355	-6.252765	-0.089056	-1.222600	-1.578060	-0.049044	30.000000	0.000000	0.000000
56	0.777156	0.343579	2.261941	0.844827	-6.842061	-0.091029	-1.303513	-1.723031	-0.043608	30.000000	0.000000	15.000000
57	0.816060	0.376559	2.326849	0.946970	-7.337682	-0.111920	-1.386152	-1.873563	-0.049447	30.000000	0.000000	20.000000
58	0.888513	0.290854	2.273263	0.964902	-7.681800	-0.105767	-1.413146	-1.957202	-0.046078	30.000000	0.000000	25.000000
59	0.931312	0.408785	2.278246	1.010933	-8.059487	-0.111638	-1.477075	-2.099499	-0.049281	30.000000	0.000000	30.000000
60	0.968638	0.422263	2.293920	1.049997	-8.398303	-0.118628	-1.521537	-2.216835	-0.047947	30.000000	0.000000	35.000000
61	0.776672	0.401803	1.932965	0.866677	-6.875462	-0.116342	-1.496951	-1.689416	-0.077754	35.000000	0.000000	0.000000
62	0.845132	0.433356	1.950205	0.940854	-7.438530	-0.129763	-1.577335	-1.857075	-0.079772	35.000000	0.000000	15.000000
63	0.855926	0.426494	2.006890	0.945761	-7.527293	-0.141575	-1.634693	-1.907229	-0.081991	35.000000	0.000000	20.000000
64	0.871018	0.441358	1.973496	0.966648	-7.762201	-0.138056	-1.614056	-1.970297	-0.083231	35.000000	0.000000	25.000000
65	1.005670	0.508848	1.972436	1.114021	-8.674665	-0.158857	-1.822674	-2.162606	-0.086689	35.000000	0.000000	30.000000
66	0.995795	0.509861	1.953073	1.108152	-8.738001	-0.153511	-1.799731	-2.212148	-0.082154	35.000000	0.000000	35.000000
67	0.766817	0.467462	1.640385	0.887895	-7.107492	-0.134804	-1.551201	-1.713573	-0.082742	40.000000	0.000000	0.000000
68	0.810959	0.501422	1.617317	0.943539	-7.416676	-0.137162	-1.592770	-1.802287	-0.088354	40.000000	0.000000	15.000000
69	0.842920	0.509121	1.653687	0.973356	-7.792474	-0.151348	-1.697439	-1.927294	-0.091082	40.000000	0.000000	20.000000
70	0.906726	0.551148	1.639211	1.050149	-8.304978	-0.159096	-1.758324	-1.997630	-0.087746	40.000000	0.000000	25.000000
71	0.949806	0.554045	1.698068	1.076833	-8.675790	-0.180315	-1.878326	-2.188055	-0.095201	40.000000	0.000000	30.000000
72	0.994323	0.607988	1.635431	1.152503	-9.071959	-0.173392	-1.969249	-2.246648	-0.098619	40.000000	0.000000	35.000000
73	0.735940	0.544580	1.351390	0.905465	-7.231661	-0.135311	-1.533304	-1.746942	-0.078061	45.000000	0.000000	0.000000
74	0.762669	0.568464	1.341630	0.941253	-7.533447	-0.137323	-1.565295	-1.820295	-0.077064	45.000000	0.000000	15.000000
75	0.787709	0.577901	1.363052	0.965633	-7.675561	-0.148356	-1.596573	-1.882756	-0.079044	45.000000	0.000000	20.000000
76	0.792952	0.582101	1.362225	0.972310	-7.843193	-0.149094	-1.654280	-1.933196	-0.081700	45.000000	0.000000	25.000000
77	0.832957	0.613826	1.356993	1.023030	-8.110580	-0.154949	-1.697260	-1.983364	-0.080272	45.000000	0.000000	30.000000
78	0.873803	0.646523	1.356183	1.077154	-8.353118	-0.162832	-1.724055	-2.087431	-0.085057	45.000000	0.000000	35.000000
79	0.718559	0.629595	1.141303	0.944179	-7.582299	-0.145752	-1.624757	-1.865933	-0.077162	50.000000	0.000000	0.000000
80	0.733774	0.652248	1.065571	0.965950	-7.650438	-0.147345	-1.616145	-1.885910	-0.078492	50.000000	0.000000	15.000000
81	0.750976	0.651141	1.153324	0.981521	-7.829374	-0.156735	-1.652341	-1.942127	-0.080183	50.000000	0.000000	20.000000
82	0.789339	0.670684	1.176618	1.021023	-8.197402	-0.173407	-1.782441	-2.115901	-0.086927	50.000000	0.000000	25.000000
83	0.788409	0.683374	1.153701	1.030275	-8.090338	-0.164691	-1.742401	-2.039606	-0.082877	50.000000	0.000000	30.000000
84	0.793335	0.692639	1.145380	1.040538	-8.327144	-0.162509	-1.769024	-2.097227	-0.085314	50.000000	0.000000	35.000000

RUN # F7512, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	PJET
1	-0.041449	0.122262	-0.339019	-0.054002	0.295573	0.117259	0.696268	-0.175766	0.068750	-6.000000	-10.000000	0.000000
2	-0.062910	0.127337	-0.493604	-0.075876	0.430550	0.120064	0.698914	-0.130786	0.068053	-6.000000	-10.000000	15.000000
3	-0.069713	0.129990	-0.536292	-0.082918	0.475800	0.121991	0.693942	-0.131522	0.067934	-6.000000	-10.000000	20.000000
4	-0.070323	0.137841	-0.510178	-0.084346	0.507088	0.129735	0.692564	-0.12981	0.065277	-6.000000	-10.000000	25.000000
5	-0.077201	0.133919	-0.576475	-0.090777	0.518736	0.125116	0.690326	-0.111853	0.066988	-6.000000	-10.000000	30.000000
6	-0.070083	0.135849	-0.515892	-0.083899	0.509379	0.127779	0.703625	-0.118496	0.066221	-6.000000	-10.000000	35.000000
7	0.0333934	0.126258	0.268765	0.027279	-0.319227	0.127861	0.708959	-0.331982	0.069355	-3.000000	-10.000000	0.000000
8	0.016753	0.130978	0.127907	0.009875	-0.209638	0.131675	0.726754	-0.312395	0.071150	-3.000000	-10.000000	15.000000
9	0.007932	0.129266	0.061829	0.001216	-0.163477	0.129507	0.720327	-0.296781	0.071057	-3.000000	-10.000000	20.000000
10	0.014191	0.130187	0.113613	0.007957	-0.191691	0.130783	0.725677	-0.303854	0.071071	-3.000000	-10.000000	25.000000
11	0.016333	0.127784	0.132513	0.010222	-0.197034	0.128495	0.731912	-0.312824	0.071153	-3.000000	-10.000000	30.000000
12	0.012394	0.130611	0.094893	0.005541	-0.186833	0.131080	0.756737	-0.301972	0.074319	-3.000000	-10.000000	35.000000
13	0.115932	0.122923	0.943614	0.115992	-1.068070	0.122923	0.663717	-0.528455	0.077477	0.000000	-10.000000	0.000000
14	0.110775	0.127201	0.870863	0.110775	-0.986185	0.127201	0.678369	-0.500598	0.077225	0.000000	-10.000000	15.000000
15	0.103848	0.127769	0.812773	0.103848	-0.925759	0.127769	0.688917	-0.507158	0.076663	0.000000	-10.000000	20.000000
16	0.112263	0.127936	0.880464	0.112643	-0.989276	0.127936	0.713723	-0.511011	0.080348	0.000000	-10.000000	25.000000
17	0.107503	0.130242	0.825413	0.107503	-0.942305	0.130242	0.722616	-0.515057	0.080705	0.000000	-10.000000	30.000000
18	0.127388	0.124673	1.021783	0.127388	-1.059139	0.124673	0.746137	-0.551278	0.082062	0.000000	-10.000000	35.000000
19	0.215683	0.136098	1.584763	0.222510	-1.812646	0.124623	0.667593	-0.729339	0.086959	3.000000	-10.000000	0.000000
20	0.214183	0.130253	1.644370	0.220707	-1.791055	0.118865	0.680743	-0.724644	0.086005	3.000000	-10.000000	15.000000
21	0.218940	0.135969	1.610218	0.225756	-1.827369	0.124324	0.720709	-0.778996	0.091548	3.000000	-10.000000	20.000000
22	0.226386	0.132003	1.715001	0.232984	-1.993110	0.119974	0.728678	-0.776901	0.095457	3.000000	-10.000000	25.000000
23	0.244466	0.136500	1.790963	0.251275	-1.966753	0.123518	0.732161	-0.797543	0.094132	3.000000	-10.000000	30.000000
24	0.250539	0.137231	1.825671	0.257377	-2.041137	0.123931	0.757931	-0.833691	0.097324	3.000000	-10.000000	35.000000
25	0.295208	0.146757	2.011540	0.308931	-2.484892	0.115096	0.703785	-0.883635	0.095872	6.000000	-10.000000	0.000000
26	0.305252	0.147513	2.069326	0.318999	-2.562349	0.114797	0.730359	-0.936226	0.102576	6.000000	-10.000000	15.000000
27	0.336162	0.143983	2.302512	0.349545	-2.634665	0.110048	0.723486	-0.909511	0.098766	6.000000	-10.000000	20.000000
28	0.323877	0.148127	2.186474	0.337586	-2.702533	0.113462	0.743731	-0.991525	0.107019	6.000000	-10.000000	25.000000
29	0.339614	0.156334	2.171236	0.354095	-2.789038	0.119978	0.782743	-0.99026	0.107373	6.000000	-10.000000	30.000000
30	0.365651	0.162707	2.247301	0.380655	-2.968477	0.123594	0.817213	-0.849666	0.117465	6.000000	-10.000000	25.000000
31	0.405940	0.173186	2.342952	0.429847	-3.164833	0.100664	0.649314	-1.162327	0.099807	10.000000	-10.000000	0.000000
32	0.411107	0.174738	2.352703	0.435204	-3.438278	0.100769	0.682893	-1.174855	0.104030	10.000000	-10.000000	15.000000
33	0.410671	0.177291	2.316310	0.452118	-3.475989	0.103285	0.690703	-1.175104	0.104020	10.000000	-10.000000	20.000000
34	0.413779	0.180143	2.296945	0.438774	-3.525598	0.105554	0.707697	-1.193819	0.107383	10.000000	-10.000000	25.000000
35	0.432315	0.184959	2.337232	0.457767	-3.622264	0.107088	0.713901	-1.222334	0.110525	10.000000	-10.000000	30.000000
36	0.428876	0.190739	2.248494	0.455582	-3.6311454	0.113368	0.734515	-1.199485	0.110295	10.000000	-10.000000	35.000000
37	0.544377	0.206694	2.633733	0.579324	-4.682623	0.058756	0.337472	-1.420237	0.082983	15.000000	-10.000000	0.000000
38	0.552450	0.210126	2.629137	0.588010	-4.693954	0.05982	0.352790	-1.432143	0.086171	15.000000	-10.000000	15.000000
39	0.543375	0.212299	2.560442	0.579787	-4.657852	0.061352	0.360930	-1.434164	0.085877	15.000000	-10.000000	20.000000
40	0.538146	0.210675	2.554391	0.574336	-4.646266	0.06214	0.365616	-1.447303	0.085655	15.000000	-10.000000	25.000000
41	0.550230	0.213905	2.572317	0.586814	-4.758868	0.064206	0.408200	-1.471581	0.090110	15.000000	-10.000000	30.000000
42	0.524140	0.212291	2.468972	0.561226	-4.654587	0.069400	0.393483	-1.479676	0.091079	15.000000	-10.000000	35.000000

RUN # F7512, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.622780	0.243359	2.577596	0.672684	-5.350687	0.014140	-0.100759	-1.564999	0.042519	20.000000-10.000000	0.000000	
44	0.657251	0.251191	2.616535	0.701256	-5.15322	0.011250	-0.110644	-1.677482	0.047866	20.000000-10.000000	15.000000	
45	0.680436	0.266195	2.575509	0.729761	-5.88085	0.015539	-0.020501	-1.99044	0.049487	20.000000-10.000000	20.000000	
46	0.702914	0.277656	2.531597	0.755487	-6.024052	0.020675	-0.097300	-1.739972	0.050950	20.000000-10.000000	25.000000	
47	0.71264	0.283064	2.5333929	0.770822	-6.12636	0.019748	-0.111698	-1.796818	0.051551	20.000000-10.000000	30.000000	
48	0.731753	0.284630	2.551512	0.807186	-6.318538	0.019748	-0.114442	-1.843967	0.055847	20.000000-10.000000	35.000000	
49	0.715139	0.299726	2.385977	0.774806	-6.197701	0.030587	-0.59451	-1.692654	0.004742	25.000000-10.000000	0.000000	
50	0.785936	0.323766	2.427479	0.849130	-6.335918	0.038719	-0.625930	-1.811430	0.005191	25.000000-10.000000	15.000000	
51	0.806435	0.323264	2.426364	0.871341	-6.939473	0.039590	-0.639156	-1.920895	0.006792	25.000000-10.000000	20.000000	
52	0.855735	0.350703	2.440060	0.923773	-7.320696	0.043805	-0.661442	-2.020917	0.009765	25.000000-10.000000	25.000000	
53	0.893317	0.368148	2.430777	0.969254	-7.601610	0.046660	-0.679109	-2.083644	0.011938	25.000000-10.000000	30.000000	
54	0.917705	0.374805	2.448488	0.990123	-7.716843	0.048150	-0.709391	-2.155496	0.010499	25.000000-10.000000	35.000000	
55	0.791681	0.355932	2.224249	0.863582	-6.895213	0.087594	-1.037476	-1.820942	-0.035063	30.000000-10.000000	0.000000	
56	0.876393	0.394946	2.219020	0.956451	-7.493200	0.096163	-1.126216	-1.979741	-0.038048	30.000000-10.000000	15.000000	
57	0.905460	0.104364	2.239219	0.986334	-7.805477	0.102547	-1.151074	-2.084119	-0.038828	30.000000-10.000000	20.000000	
58	0.959959	0.437939	2.191994	1.050319	-8.289904	0.100713	-1.197654	-2.195779	-0.032829	30.000000-10.000000	25.000000	
59	0.983028	0.436680	2.255719	1.071400	-8.628542	0.114337	-1.249517	-2.368190	-0.038273	30.000000-10.000000	30.000000	
60	1.041701	0.464775	2.241302	1.134527	-8.889620	0.118343	-1.248411	-2.415338	-0.035817	30.000000-10.000000	35.000000	
61	0.820784	0.438115	1.873346	0.9233639	-7.312595	0.111900	-1.252102	-1.869946	-0.053586	35.000000-10.000000	0.000000	
62	0.896054	0.482201	1.858260	1.010584	-7.881606	0.118960	-1.336320	-2.050396	-0.059253	35.000000-10.000000	15.000000	
63	0.911244	0.584418	1.881110	1.024298	-8.035080	0.125855	-1.353138	-2.109078	-0.055054	35.000000-10.000000	20.000000	
64	0.955388	0.508372	1.879310	1.074198	-8.441450	0.131554	-1.408678	-2.193249	-0.056819	35.000000-10.000000	25.000000	
65	1.002991	0.531416	1.887394	1.126410	-8.910942	0.139981	-1.482877	-2.325007	-0.066663	35.000000-10.000000	30.000000	
66	1.037910	0.542967	1.911550	1.161639	-9.308352	0.150547	-1.510834	-2.419379	-0.055217	35.000000-10.000000	35.000000	
67	0.830842	0.323435	1.587290	0.972920	-7.584679	0.133081	-1.273229	-1.940182	-0.062034	40.000000-10.000000	0.000000	
68	0.825748	0.526598	1.568081	0.971051	-7.674110	0.127383	-1.294601	-1.966305	-0.058781	40.000000-10.000000	15.000000	
69	0.888876	0.563623	1.573528	1.041676	-8.164592	0.1257228	-1.303103	-2.073103	-0.060188	40.000000-10.000000	20.000000	
70	0.872895	0.568254	1.536100	1.033943	-8.254786	0.125778	-1.353596	-2.107957	-0.061305	40.000000-10.000000	25.000000	
71	0.880207	0.554245	1.606162	1.038200	-8.426467	0.147637	-1.418000	-2.185657	-0.062392	40.000000-10.000000	30.000000	
72	0.999274	0.638563	1.564879	1.175949	-9.084953	0.153152	-1.473791	-2.302059	-0.064207	40.000000-10.000000	35.000000	
73	0.784006	0.598778	1.309345	0.977776	-7.674857	0.130976	-1.255236	-1.929911	-0.055972	45.000000-10.000000	0.000000	
74	0.784255	0.593087	1.322329	0.973928	-7.751812	0.135176	-1.280901	-1.966352	-0.062281	45.000000-10.000000	15.000000	
75	0.812063	0.623507	1.302414	1.015101	-8.036891	0.133329	-1.303074	-2.051487	-0.057950	45.000000-10.000000	20.000000	
76	0.829772	0.634474	1.307811	1.035379	-8.144918	0.138096	-1.338165	-2.089901	-0.059952	45.000000-10.000000	25.000000	
77	0.836783	0.635645	1.316430	1.041164	-8.325898	0.142225	-1.340204	-2.118021	-0.061856	45.000000-10.000000	30.000000	
78	0.857436	0.649285	1.320586	1.065413	-8.419826	0.147185	-1.372714	-2.191576	-0.061574	45.000000-10.000000	35.000000	
79	0.753840	0.684531	1.101251	1.008940	-7.974000	0.137466	-1.283892	-2.043199	-0.057422	50.000000-10.000000	0.000000	
80	0.760760	0.676850	1.123971	1.007504	-8.065307	0.147704	-1.337283	-2.084184	-0.060847	50.000000-10.000000	15.000000	
81	0.74529	0.697046	1.111159	1.01826	-8.121213	0.145271	-1.330551	-2.097720	-0.059685	50.000000-10.000000	20.000000	
82	0.768937	0.690125	1.1114199	1.022930	-8.178682	0.145435	-1.315364	-2.096952	-0.058000	50.000000-10.000000	25.000000	
83	0.810652	0.729072	1.111897	1.079579	-8.480549	0.152357	-1.425804	-2.198693	-0.060661	50.000000-10.000000	30.000000	
84	0.816852	0.740110	1.103690	1.092020	-8.490766	0.150011	-1.431857	-2.187822	-0.060435	50.000000-10.000000	35.000000	

RUN # F7513, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	P-JET
1	0.039303	0.108563	0.362030	0.027740	-0.141136	0.112077	0.781912	-0.278528	0.079573	-6.000000	15.000000	0.000000
2	-0.012423	0.111946	-0.110975	-0.024057	0.130741	0.110035	0.788865	-0.244277	0.080464	-6.000000	15.000000	0.000000
3	-0.002217	0.119175	-0.018606	-0.014662	0.094673	0.118290	0.820036	-0.252302	0.076082	-6.000000	15.000000	20.000000
4	-0.006046	0.127940	-0.047254	-0.019386	0.119272	0.126607	0.834403	-0.282379	0.081652	-6.000000	15.000000	25.000000
5	-0.010903	0.128099	-0.085115	-0.024233	0.130160	0.126258	0.843748	-0.261755	0.081528	-6.000000	15.000000	30.000000
6	-0.028013	0.129524	-0.216279	-0.041399	0.224458	0.125886	0.829931	-0.222195	0.074646	-6.000000	15.000000	35.000000
7	0.104282	0.114027	0.914544	0.098172	-0.724875	0.119328	0.802896	-0.466842	0.082832	-3.000000	15.000000	0.000000
8	0.099639	0.116955	0.851941	0.093382	-0.645664	0.122010	0.811010	-0.411017	0.082729	-3.000000	15.000000	0.000000
9	0.087985	0.118095	0.745041	0.081684	-0.588706	0.122338	0.859143	-0.420474	0.079348	-3.000000	15.000000	20.000000
10	0.086223	0.122360	0.704668	0.079701	-0.555341	0.126705	0.816895	-0.19359	0.081756	-3.000000	15.000000	20.000000
11	0.087205	0.122937	0.709346	0.080651	-0.566904	0.127333	0.833336	-0.423410	0.083794	-3.000000	15.000000	25.000000
12	0.086068	0.127820	0.673353	0.079261	-0.567734	0.132150	0.822533	-0.418890	0.084578	-3.000000	15.000000	30.000000
13	0.194762	0.125104	1.556797	0.194762	-1.625241	0.125104	0.773980	-0.119810	0.091435	0.000000	15.000000	0.000000
14	0.184978	0.122267	1.512895	0.184978	-1.504469	0.122667	0.809512	-0.692994	0.093020	0.000000	15.000000	0.000000
15	0.184882	0.126198	1.465013	0.184882	-1.423964	0.126198	0.788310	-0.658897	0.090766	0.000000	15.000000	20.000000
16	0.175351	0.124338	1.410281	0.175351	-1.32128	0.122338	0.790887	-0.51355	0.087535	0.000000	15.000000	25.000000
17	0.184477	0.134266	1.373967	0.184477	-1.419424	0.132666	0.822365	-0.674954	0.092163	0.000000	15.000000	30.000000
18	0.182531	0.131567	1.387353	0.182531	-1.453880	0.131567	0.832141	-0.691269	0.092270	0.000000	15.000000	35.000000
19	0.304480	0.133835	2.275034	0.311067	-2.367291	0.117717	0.787952	-0.233449	0.101389	3.000000	15.000000	0.000000
20	0.277829	0.135771	2.046299	0.284554	-2.32126	0.12045	0.789405	-0.897010	0.100963	3.000000	15.000000	0.000000
21	0.286664	0.137397	2.086392	0.293462	-2.297357	0.12206	0.815374	-0.942701	0.103231	3.000000	15.000000	20.000000
22	0.309477	0.142547	2.171045	0.316513	-2.373934	0.126155	0.850740	-0.566830	0.107711	3.000000	15.000000	25.000000
23	0.301731	0.142018	2.124590	0.308750	-2.423407	0.126032	0.862044	-0.975978	0.107503	3.000000	15.000000	30.000000
24	0.331110	0.146839	2.254912	0.338341	-2.604585	0.129309	0.885537	-1.029682	0.113319	3.000000	15.000000	35.000000
25	0.359507	0.171494	2.096320	0.375463	-2.987703	0.132976	0.824260	-1.094329	0.113498	6.000000	15.000000	0.000000
26	0.365643	0.172525	2.119359	0.381674	-3.094275	0.133360	0.864411	-1.126435	0.115130	6.000000	15.000000	0.000000
27	0.366642	0.174476	2.101390	0.382872	-3.112147	0.135196	0.869476	-1.145028	0.117077	6.000000	15.000000	20.000000
28	0.372050	0.182470	2.038968	0.389085	-3.180299	0.142280	0.862713	-1.153661	0.118514	6.000000	15.000000	25.000000
29	0.383300	0.193354	1.982379	0.401411	3.196866	0.152229	0.863333	-1.175711	0.121331	6.000000	15.000000	30.000000
30	0.392516	0.191569	2.048955	0.410390	-3.313923	0.149490	0.913013	-1.228340	0.123292	6.000000	15.000000	35.000000
31	0.440157	0.211427	2.081839	0.470184	-3.891263	0.131782	0.697237	-1.225427	0.112799	10.000000	15.000000	0.000000
32	0.468700	0.217688	2.153079	0.499380	-4.045861	0.13292	0.690443	-1.360353	0.113528	10.000000	15.000000	0.000000
33	0.431077	0.214047	2.013935	0.461697	-3.853175	0.135940	0.751201	-1.303699	0.115020	10.000000	15.000000	20.000000
34	0.461380	0.217978	2.116637	0.492222	-4.021126	0.134499	0.731817	-1.310963	0.112924	10.000000	15.000000	25.000000
35	0.457025	0.227315	2.010534	0.489555	-4.067992	0.144500	0.806731	-1.397358	0.122510	10.000000	15.000000	30.000000
36	0.456078	0.232153	1.964554	0.489462	-4.087624	0.149429	0.798814	-1.453955	0.123016	10.000000	15.000000	35.000000
37	0.573942	0.258752	2.218111	0.621355	-5.125713	0.101389	0.346579	-1.582772	0.085069	15.000000	15.000000	0.000000
38	0.563886	0.256143	2.201451	0.610966	-5.053625	0.101471	0.369109	-1.568177	0.089803	15.000000	15.000000	0.000000
39	0.559093	0.258430	2.163424	0.606929	-5.044142	0.101492	0.378697	-1.567574	0.090406	15.000000	15.000000	20.000000
40	0.566961	0.263066	2.155203	0.615729	-5.088752	0.107362	0.397205	-1.612929	0.088927	15.000000	15.000000	25.000000
41	0.559957	0.262774	2.130945	0.608888	-5.085124	0.108893	0.422805	-1.594476	0.091348	15.000000	15.000000	30.000000
42	0.575347	0.272139	2.114168	0.626217	-5.199571	0.113955	0.449327	-1.654424	0.093889	15.000000	15.000000	35.000000

RUN # F7513, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.656971	0.293256	2.240263	0.717650	-5.836789	0.050873	-0.014881	-1.721273	0.051498	20.000000	15.000000	0.000000
44	0.689202	0.303402	2.271580	0.749108	-6.077743	0.049384	-0.007770	-1.782112	0.053673	20.000000	15.000000	15.000000
45	0.686577	0.305578	2.246817	0.749685	-6.226379	0.052326	-0.025351	-1.851731	0.057136	20.000000	15.000000	20.000000
46	0.716619	0.315697	2.269960	0.781377	-6.307461	0.051560	-0.041710	-1.880661	0.054935	20.000000	15.000000	25.000000
47	0.710026	0.313927	2.261754	0.774576	-6.373598	0.052152	-0.026099	-1.889485	0.060880	20.000000	15.000000	30.000000
48	0.762110	0.323618	2.354972	0.826833	-6.869087	0.043444	-0.048626	-2.044395	0.061719	20.000000	15.000000	35.000000
49	0.728109	0.339382	2.145396	0.803320	-6.411609	-0.000127	-0.528386	-1.809922	0.009108	25.000000	15.000000	0.000000
50	0.784536	0.348878	2.248741	0.858473	-6.889233	-0.015368	-0.587374	-1.943735	0.009049	25.000000	15.000000	15.000000
51	0.817682	0.368207	2.220712	0.896683	-7.236419	-0.011858	-0.591435	-2.011481	0.011835	25.000000	15.000000	20.000000
52	0.867953	0.387697	2.238874	0.950480	-7.623032	-0.015440	-0.621102	-2.162632	0.011902	25.000000	15.000000	25.000000
53	0.834244	0.374435	2.228808	0.914325	-7.561512	-0.013213	-0.581832	-2.180305	0.014364	25.000000	15.000000	30.000000
54	0.909589	0.408517	2.226563	0.997014	-7.847365	-0.014166	-0.583669	-2.269206	0.017111	25.000000	15.000000	35.000000
55	0.792390	0.388156	2.041422	0.880308	-7.102870	-0.060042	-0.947907	-1.916096	-0.027555	30.000000	15.000000	0.000000
56	0.870952	0.425393	2.047405	0.966963	-7.683779	-0.067074	-0.998269	-2.024299	-0.030436	30.000000	15.000000	15.000000
57	0.904755	0.436997	2.070389	1.002039	-7.930213	-0.0713926	-0.107617	-2.130167	-0.029522	30.000000	15.000000	20.000000
58	0.971159	0.416707	2.037225	1.079402	-8.410266	-0.072739	-1.105342	-2.246192	-0.034350	30.000000	15.000000	25.000000
59	0.953472	0.457771	2.082859	1.054617	-8.665622	-0.080294	-1.122223	-2.354541	-0.028233	30.000000	15.000000	30.000000
60	1.017389	0.492618	2.065270	1.127394	-8.997569	-0.082074	-1.112419	-2.475214	-0.030217	30.000000	15.000000	35.000000
61	0.794556	0.445653	1.782902	0.906479	-7.357106	-0.090681	-1.097855	-1.923820	-0.049197	35.000000	15.000000	0.000000
62	0.862983	0.468246	1.767516	0.986961	-7.874923	-0.09038	-1.197394	-2.051396	-0.045573	35.000000	15.000000	15.000000
63	0.893432	0.507427	1.760710	1.022905	-8.139723	-0.096791	-1.216318	-2.111341	-0.051328	35.000000	15.000000	20.000000
64	0.943912	0.531138	1.767281	1.07626	-8.570511	-0.103899	-1.274336	-2.247957	-0.053473	35.000000	15.000000	25.000000
65	0.982967	0.540783	1.817674	1.15380	-8.120823	-0.1233843	-2.341078	-0.056953	35.000000	15.000000	30.000000	30.000000
66	1.014369	0.565574	1.793521	1.155322	-9.164945	-0.118526	-1.334697	-2.442907	-0.055727	35.000000	15.000000	35.000000
67	0.790155	0.529330	1.492188	0.943386	-7.466690	-0.102337	-1.145883	-1.953996	-0.054865	40.000000	15.000000	0.000000
68	0.818085	0.580193	1.485386	0.980332	-7.757787	-0.103922	-1.140371	-1.997025	-0.055296	40.000000	15.000000	15.000000
69	0.857595	0.566320	1.514491	1.021060	-8.045707	-0.117485	-1.191745	-2.078077	-0.055320	40.000000	15.000000	20.000000
70	0.880112	0.589866	1.492162	1.052281	-8.216537	-0.114053	-1.200072	-2.118151	-0.055320	40.000000	15.000000	25.000000
71	0.918527	0.607448	1.512108	1.094093	-8.606335	-0.125085	-1.249102	-2.235531	-0.059192	40.000000	15.000000	30.000000
72	0.951996	0.6331471	1.507385	1.135173	-9.02491	-0.128196	-1.281095	-2.351148	-0.051912	40.000000	15.000000	35.000000
73	0.773649	0.617723	1.252421	0.983849	-7.787127	-0.110256	-1.133370	-2.040396	-0.051451	45.000000	15.000000	0.000000
74	0.801199	0.645813	1.241112	1.02325	-8.048117	-0.110065	-1.183564	-2.098893	-0.053703	45.000000	15.000000	15.000000
75	0.777999	0.624007	1.246719	0.991368	-7.917352	-0.108888	-1.156319	-2.057039	-0.052517	45.000000	15.000000	20.000000
76	0.807531	0.65354	1.235618	1.033116	-8.254350	-0.108884	-1.206807	-2.122064	-0.055417	45.000000	15.000000	25.000000
77	0.826907	0.661086	1.250830	1.052110	-8.425552	-0.1117252	-1.234951	-2.179338	-0.057866	45.000000	15.000000	30.000000
78	0.8555639	0.680886	1.256655	1.086487	-8.699822	-0.123568	-1.267420	-2.284321	-0.054482	45.000000	15.000000	35.000000
79	0.734288	0.694542	1.057226	1.004042	-8.008075	-0.116054	-1.167392	-2.104521	-0.051752	50.000000	15.000000	0.000000
80	0.767222	0.729460	1.051850	1.021787	-8.257038	-0.118884	-1.209822	-2.144323	-0.051693	50.000000	15.000000	15.000000
81	0.740775	0.70705	1.047765	1.017758	-8.171787	-0.117187	-1.206200	-2.166547	-0.056154	50.000000	15.000000	20.000000
82	0.755635	0.724743	1.046265	1.040898	-8.254591	-0.112994	-1.208297	-2.139894	-0.053304	50.000000	15.000000	25.000000
83	0.769294	0.723318	1.063563	1.048586	-8.184404	-0.124373	-1.255320	-2.180256	-0.057104	50.000000	15.000000	30.000000
84	0.793418	0.750834	1.056715	1.085172	-8.607941	-0.125166	-1.275348	-2.262032	-0.054891	50.000000	15.000000	35.000000

RUN # F7514, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	P JET
1	-0.353750	0.169024	-2.092906	-0.369480	2.775256	0.131121	0.808989	0.759498	0.040185	-6.000000	-15.000000	0.000000
2	-0.350253	0.171454	-2.012842	-0.366256	2.773224	0.133903	0.822385	0.734561	0.040681	-6.000000	-15.000000	15.000000
3	-0.371909	0.174110	-2.136058	-0.388071	2.851090	0.134281	0.820769	0.742583	0.036778	-6.000000	-15.000000	20.000000
4	-0.350630	0.174898	-2.004774	-0.366991	2.755418	0.137289	0.803498	0.733235	0.03608	-6.000000	-15.000000	25.000000
5	-0.353101	0.175250	-2.018262	-0.370082	2.720590	0.137318	0.791771	0.714931	0.033922	-6.000000	-15.000000	30.000000
6	-0.346940	0.172331	-2.013214	-0.363053	2.703154	0.135122	0.792522	0.725150	0.035521	-6.000000	-15.000000	35.000000
7	-0.238614	0.143967	-1.657425	-0.245822	1.766776	0.131282	0.698029	0.465131	0.038848	-3.000000	-15.000000	0.000000
8	-0.233985	0.138797	-1.65810	-0.240928	1.707494	0.126361	0.688529	0.466276	0.03903	-3.000000	-15.000000	15.000000
9	-0.245487	0.135022	-1.818124	-0.252217	1.795721	0.121989	0.694235	0.482654	0.038114	-3.000000	-15.000000	20.000000
10	-0.249660	0.12888	-1.767244	-0.256796	1.831001	0.129626	0.698584	0.478854	0.03285	-3.000000	-15.000000	25.000000
11	-0.241665	0.142038	-1.722528	-0.251764	1.803335	0.129039	0.712422	0.486024	0.039044	-3.000000	-15.000000	30.000000
12	-0.240688	0.137017	-1.756626	-0.247529	1.797492	0.124233	0.678036	0.474137	0.038115	-3.000000	-15.000000	35.000000
13	-0.137246	0.115059	-1.192838	-0.137246	0.871484	0.115059	0.637697	0.230435	0.040352	0.000000	-15.000000	0.000000
14	-0.147323	0.133813	-1.294427	-0.147323	0.952331	0.113813	0.625245	0.244874	0.039059	0.000000	-15.000000	15.000000
15	-0.143150	0.118022	-1.217993	-0.143750	0.963230	0.118022	0.616354	0.246972	0.039262	0.000000	-15.000000	20.000000
16	-0.140442	0.119629	-1.14822	-0.140542	0.921027	0.119629	0.620400	0.226829	0.03960	0.000000	-15.000000	25.000000
17	-0.139419	0.117088	-1.19416	-0.139419	0.941463	0.117088	0.629685	0.225988	0.041554	0.000000	-15.000000	30.000000
18	-0.140279	0.117880	-1.190019	-0.140279	0.980077	0.117880	0.624976	0.233903	0.038107	0.000000	-15.000000	35.000000
19	-0.063723	0.121738	-0.523442	-0.057264	0.316154	0.124906	0.571207	0.064838	0.044894	3.000000	-15.000000	0.000000
20	-0.046662	0.125926	-0.50551	-0.050008	0.222873	0.128196	0.586535	0.047082	0.046988	3.000000	-15.000000	15.000000
21	-0.056583	0.118936	-0.475742	-0.050281	0.299663	0.121734	0.588623	0.036426	0.045364	3.000000	-15.000000	20.000000
22	-0.056290	0.122568	-0.45953	-0.049798	0.297509	0.125346	0.594015	0.045563	0.045337	3.000000	-15.000000	25.000000
23	-0.055527	0.116846	-0.475220	-0.049336	0.294721	0.119592	0.590225	0.045162	0.044827	3.000000	-15.000000	30.000000
24	-0.056206	0.118926	-0.472612	-0.049905	0.297270	0.121705	0.615515	0.036087	0.048209	3.000000	-15.000000	35.000000
25	-0.019601	0.122428	-0.160099	-0.006696	-0.040343	0.123806	0.558728	-0.010602	0.046417	6.000000	-15.000000	0.000000
26	-0.011033	0.126940	-0.086918	0.002296	-0.094784	0.127398	0.576356	-0.021179	0.047085	6.000000	-15.000000	15.000000
27	-0.006362	0.128466	-0.049521	0.007101	-0.120390	0.128427	0.578779	-0.021171	0.050087	6.000000	-15.000000	20.000000
28	-0.002112	0.130336	-0.016131	0.011586	-0.145441	0.130439	0.582071	-0.040709	0.050283	6.000000	-15.000000	25.000000
29	0.001891	0.128978	0.014658	0.015362	-0.198330	0.128074	0.570743	-0.060188	0.050383	6.000000	-15.000000	30.000000
30	0.015697	0.131145	0.119659	0.029320	-0.273692	0.128786	0.559083	-0.079396	0.050702	6.000000	-15.000000	35.000000
31	0.040000	0.131110	0.305088	0.062160	-0.569270	0.122173	0.578313	-0.105290	0.054854	10.000000	-15.000000	0.000000
32	0.059180	0.136838	0.422297	0.08293	-0.752107	0.124541	0.552815	-0.154933	0.053858	10.000000	-15.000000	15.000000
33	0.067873	0.130172	0.521408	0.089446	-0.835490	0.116408	0.551159	-0.163030	0.056619	10.000000	-15.000000	20.000000
34	0.080852	0.136552	0.592184	0.103132	-0.846877	0.120418	0.557541	-0.203523	0.057485	10.000000	-15.000000	25.000000
35	0.087882	0.138702	0.633364	0.110332	-0.988996	0.121334	0.565307	-0.231823	0.061000	10.000000	-15.000000	30.000000
36	0.097325	0.140467	0.692863	0.120238	-1.021704	0.121433	0.556817	-0.258058	0.061055	10.000000	-15.000000	35.000000
37	0.170697	0.155334	1.098900	0.205084	-1.747555	0.105862	0.473946	-0.397244	0.051079	15.000000	-15.000000	0.000000
38	0.177366	0.161052	1.101297	0.213006	-1.782074	0.109658	0.484455	-0.411218	0.049939	15.000000	-15.000000	0.000000
39	0.191072	0.155175	1.231334	0.224724	-1.892256	0.104334	0.465609	-0.429938	0.052308	15.000000	-15.000000	20.000000
40	0.200341	0.162366	1.233888	0.235538	-1.943377	0.10981	0.463603	-0.457232	0.052810	15.000000	-15.000000	25.000000
41	0.211907	0.167027	1.268699	0.247916	-2.033959	0.106490	0.483159	-0.473725	0.059620	15.000000	-15.000000	30.000000
42	0.219319	0.163498	1.341414	0.254462	-2.080711	0.101163	0.477201	-0.521294	0.054506	15.000000	-15.000000	35.000000

RUN # F7514, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.292171	0.172303	1.695674	0.3333482	-2.764333	0.061984	0.109534	-0.635483	0.028821	20.000000	-15.000000	0.000000
44	0.313596	0.181444	1.728333	0.356741	-2.927918	0.063246	0.095106	-0.681506	0.029963	20.000000	-15.000000	15.000000
45	0.332625	0.186986	1.778876	0.376518	-3.044453	0.061945	0.069257	-0.714565	0.027852	20.000000	-15.000000	20.000000
46	0.352968	0.187651	1.880980	0.395862	-3.238676	0.055612	0.044186	-0.773506	0.028776	20.000000	-15.000000	25.000000
47	0.369796	0.192339	1.922626	0.413279	-3.318690	0.054262	0.036382	-0.805398	0.029337	20.000000	-15.000000	30.000000
48	0.387915	0.193223	2.007598	0.430607	-3.496249	0.048896	0.002208	-0.860270	0.029986	20.000000	-15.000000	35.000000
49	0.429803	0.199452	2.154917	0.473826	-3.727156	-0.00877	-0.380260	-0.810860	-0.007167	25.000000	-15.000000	0.000000
50	0.481119	0.216309	2.224225	0.527458	-4.132811	-0.007287	-0.452309	-0.921651	-0.006201	25.000000	-15.000000	15.000000
51	0.500640	0.223128	2.243732	0.548032	-4.370256	-0.009357	-0.477040	-0.984424	-0.007702	25.000000	-15.000000	20.000000
52	0.505963	0.218417	2.316504	0.550865	-4.554529	-0.015876	-0.515104	-1.052755	-0.007302	25.000000	-15.000000	25.000000
53	0.543716	0.234037	2.323204	0.591683	-4.729437	-0.017674	-0.537271	-1.108673	-0.008391	25.000000	-15.000000	30.000000
54	0.561536	0.238014	2.359255	0.609513	-4.885979	-0.021601	-0.568348	-1.161150	-0.007334	25.000000	-15.000000	35.000000
55	0.566302	0.236030	2.399282	0.608447	-4.893649	-0.078743	-0.989872	-1.067485	-0.057886	30.000000	-15.000000	0.000000
56	0.613881	0.252968	2.426716	0.658116	-5.326848	-0.087864	-1.087213	-1.170294	-0.057478	30.000000	-15.000000	15.000000
57	0.647623	0.265966	2.434979	0.693841	-5.592900	-0.093477	-1.138743	-1.246125	-0.058341	30.000000	-15.000000	20.000000
58	0.672083	0.277645	2.420654	0.720864	-5.848372	-0.095593	-1.196638	-1.343296	-0.059611	30.000000	-15.000000	25.000000
59	0.698222	0.290894	2.400264	0.750124	-6.052755	-0.097189	-1.239078	-1.416837	-0.058604	30.000000	-15.000000	30.000000
60	0.743798	0.303741	2.448794	0.796018	-6.383942	-0.108852	-1.293409	-1.500955	-0.060239	30.000000	-15.000000	35.000000
61	0.663693	0.305186	2.174719	0.718713	-5.831921	-0.130685	-1.415140	-1.251713	-0.090815	35.000000	-15.000000	0.000000
62	0.708329	0.334912	2.114973	0.772327	-6.187971	-0.131937	-1.479611	-1.343779	-0.093967	35.000000	-15.000000	15.000000
63	0.746210	0.350735	2.127560	0.812432	-6.488318	-0.140703	-1.547010	-1.441338	-0.095707	35.000000	-15.000000	20.000000
64	0.787023	0.375749	2.094542	0.860212	-6.789012	-0.143621	-1.612689	-1.528577	-0.094433	35.000000	-15.000000	25.000000
65	0.814523	0.380647	2.139836	0.885548	-7.089280	-0.155383	-1.667851	-1.632402	-0.096647	35.000000	-15.000000	30.000000
66	0.824952	0.387674	2.127951	0.898122	-7.278562	-0.155608	-1.700056	-1.695230	-0.095463	35.000000	-15.000000	35.000000
67	0.694997	0.382176	1.818527	0.778056	-6.205035	-0.153971	-1.543261	-1.324113	-0.103483	40.000000	-15.000000	0.000000
68	0.724136	0.405563	1.785507	0.811653	-6.509637	-0.156060	-1.605506	-1.442432	-0.103682	45.000000	-15.000000	0.000000
69	0.749285	0.416861	1.797445	0.841939	-6.750317	-0.155309	-1.622947	-1.402091	-0.106040	40.000000	-15.000000	15.000000
70	0.785083	0.439902	1.784678	0.884172	-7.026246	-0.167657	-1.671993	-1.478495	-0.107985	40.000000	-15.000000	20.000000
71	0.824789	0.457775	1.801735	0.926077	-7.450093	-0.179488	-1.735787	-1.575905	-0.108982	40.000000	-15.000000	25.000000
72	0.863941	0.483072	1.788433	0.972330	-7.840795	-0.185276	-1.923434	-1.782622	-0.114991	40.000000	-15.000000	30.000000
73	0.684277	0.463574	1.476090	0.811653	-6.509637	-0.156060	-1.605506	-1.442432	-0.103682	45.000000	-15.000000	0.000000
74	0.682409	0.462768	1.474624	0.809763	-6.528967	-0.155309	-1.572278	-1.423375	-0.102100	45.000000	-15.000000	0.000000
75	0.717030	0.488881	1.466678	0.852708	-6.817170	-0.161326	-1.630632	-1.485689	-0.101423	45.000000	-15.000000	20.000000
76	0.732301	0.499832	1.465093	0.881250	-7.006313	-0.164379	-1.705346	-1.584714	-0.101846	45.000000	-15.000000	25.000000
77	0.764102	0.518210	1.474502	0.906732	-7.258704	-0.173871	-1.747723	-1.627184	-0.106329	45.000000	-15.000000	30.000000
78	0.796409	0.545065	1.461128	0.948565	-7.586447	-0.177727	-1.822382	-1.722156	-0.105889	45.000000	-15.000000	35.000000
79	0.643588	0.532749	1.208052	0.821800	-6.729917	-0.150572	-1.665594	-1.457959	-0.103334	50.000000	-15.000000	0.000000
80	0.668932	0.549264	1.217870	0.850742	-6.912144	-0.159371	-1.707570	-1.524758	-0.102756	50.000000	-15.000000	15.000000
81	0.679798	0.564434	1.204388	0.869347	-7.017464	-0.171937	-1.713053	-1.583411	-0.104740	50.000000	-15.000000	20.000000
82	0.705464	0.578537	1.219393	0.896648	-7.213261	-0.168540	-1.780606	-1.636724	-0.107613	50.000000	-15.000000	25.000000
83	0.713974	0.584010	1.222538	0.906311	-7.321620	-0.171541	-1.770895	-1.660739	-0.106294	50.000000	-15.000000	30.000000
84	0.749050	0.614696	1.218571	0.952365	-7.543724	-0.178686	-1.821317	-1.703547	-0.106439	50.000000	-15.000000	35.000000

RUN # F7515, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	P-JET
1	-0.297808	0.146773	-2.029038	-0.311518	2.292961	0.114839	0.802349	0.588958	0.045491	-6.000000	-10.000000	0.000000
2	-0.300889	0.156526	-1.922293	-0.315603	2.281700	0.12217	0.787724	0.597864	0.044390	-6.000000	-10.000000	15.000000
3	-0.290362	0.155383	-1.868687	-0.305014	2.254312	0.124181	0.782137	0.563929	0.044088	-6.000000	-10.000000	20.000000
4	-0.295784	0.157208	-1.881483	-0.310597	2.254670	0.125429	0.791131	0.564716	0.044275	-6.000000	-10.000000	25.000000
5	-0.286938	0.155598	-1.844096	-0.301631	2.225342	0.124753	0.775126	0.561482	0.041487	-6.000000	-10.000000	30.000000
6	-0.297399	0.157116	-1.892859	-0.312193	2.254359	0.125169	0.782784	0.563275	0.038923	-6.000000	-10.000000	35.000000
7	-0.196146	0.136800	-1.433817	-0.203037	1.366626	0.126347	0.681102	0.350907	0.042593	-3.000000	-10.000000	0.000000
8	-0.196481	0.131870	-1.489957	-0.203113	1.411742	0.121146	0.662441	0.349237	0.039026	-3.000000	-10.000000	15.000000
9	-0.206225	0.133889	-1.540267	-0.212950	1.444812	0.122913	0.670216	0.343905	0.039275	-3.000000	-10.000000	20.000000
10	-0.195439	0.133731	-1.461432	-0.202170	1.395177	0.123319	0.672641	0.335698	0.039914	-3.000000	-10.000000	25.000000
11	-0.198873	0.133206	-1.492979	-0.205572	1.410644	0.122615	0.674265	0.324224	0.039543	-3.000000	-10.000000	30.000000
12	-0.189586	0.128600	-1.474232	-0.196057	1.349609	0.118502	0.671505	0.338395	0.033451	-3.000000	-10.000000	35.000000
13	-0.100007	0.101796	-0.982432	-0.100007	0.592804	0.101796	0.614446	0.119562	0.047261	0.000000	-10.000000	0.000000
14	-0.113572	0.105277	-1.078796	-0.113572	0.704475	0.105277	0.612198	0.155110	0.046072	0.000000	-10.000000	15.000000
15	-0.109437	0.110547	-0.989962	-0.109437	0.697277	0.110547	0.602620	0.146972	0.043760	0.000000	-10.000000	20.000000
16	-0.093827	0.107719	-0.971035	-0.093827	0.635660	0.107719	0.616623	0.129118	0.041328	0.000000	-10.000000	25.000000
17	-0.104294	0.112220	-0.929367	-0.104294	0.688508	0.112220	0.576008	0.136771	0.048447	0.000000	-10.000000	30.000000
18	-0.102977	0.111541	-0.923225	-0.102977	0.691788	0.111541	0.595629	0.154582	0.045342	0.000000	-10.000000	35.000000
19	-0.034478	0.101584	-0.339405	-0.029114	0.093253	0.103249	0.542363	-0.010593	0.050028	3.000000	-10.000000	0.000000
20	-0.036036	0.100774	-0.357591	-0.030713	0.124244	0.102522	0.567192	-0.010585	0.050009	3.000000	-10.000000	15.000000
21	-0.029233	0.105119	-0.278097	-0.023692	0.18223	0.106504	0.572258	-0.019957	0.050889	3.000000	-10.000000	20.000000
22	-0.032076	0.100743	-0.318398	-0.026760	0.109336	0.102283	0.563398	-0.019847	0.052953	3.000000	-10.000000	25.000000
23	-0.030594	0.103722	-0.294961	-0.025124	0.055380	0.105181	0.570844	-0.047070	0.052879	3.000000	-10.000000	30.000000
24	-0.030093	0.100737	-0.298723	-0.024779	0.068533	0.102174	0.583043	-0.038102	0.053125	3.000000	-10.000000	35.000000
25	0.020734	0.102811	0.201667	0.031367	-0.327806	0.100080	0.553103	-0.104516	0.059397	6.000000	-10.000000	0.000000
26	0.019447	0.110124	0.176594	0.030852	-0.339131	0.107488	0.549691	-0.103970	0.059349	6.000000	-10.000000	15.000000
27	0.021164	0.032189	0.210910	0.032431	-0.373589	0.100349	0.565975	-0.132887	0.060026	6.000000	-10.000000	20.000000
28	0.032253	0.106336	0.303315	0.043192	-0.439812	0.102383	0.563788	-0.160496	0.063036	6.000000	-10.000000	25.000000
29	0.044452	0.111332	0.399274	0.055846	-0.521826	0.106076	0.557434	-0.177710	0.063317	6.000000	-10.000000	30.000000
30	0.043616	0.109935	0.39015	0.058898	-0.532751	0.104770	0.553852	-0.204781	0.065665	6.000000	-10.000000	35.000000
31	0.081991	0.1119443	0.686447	0.101486	-0.987954	0.103390	0.557317	-0.265536	0.062501	10.000000	-10.000000	0.000000
32	0.098358	0.119997	0.819668	0.117071	-0.53578	0.101094	0.564574	-0.293707	0.065792	10.000000	-10.000000	15.000000
33	0.113587	0.121971	0.931260	0.133041	-1.177018	0.100394	0.558667	-0.323086	0.066835	10.000000	-10.000000	20.000000
34	0.119398	0.129075	0.92526	0.139998	-1.27346	0.106381	0.535925	-0.369746	0.067250	10.000000	-10.000000	25.000000
35	0.123456	0.129247	0.955194	0.144024	-1.38695	0.105846	0.536439	-0.390579	0.068002	10.000000	-10.000000	30.000000
36	0.150855	0.136834	1.102465	0.172324	-1.473914	0.108560	0.543807	-0.439116	0.072111	10.000000	-10.000000	35.000000
37	0.212250	0.143571	1.478361	0.242177	-2.160604	0.083745	0.418327	-0.570859	0.058791	15.000000	-10.000000	0.000000
38	0.213790	0.148555	1.439129	0.244954	-2.19302	0.088160	0.414897	-0.569086	0.055855	15.000000	-10.000000	15.000000
39	0.222254	0.152928	1.453324	0.254262	-2.169376	0.090194	0.410780	-0.583853	0.064500	15.000000	-10.000000	20.000000
40	0.231197	0.154916	1.492403	0.263414	-2.238563	0.089799	0.402941	-0.608811	0.064694	15.000000	-10.000000	25.000000
41	0.264408	0.158954	1.663429	0.296539	-2.371273	0.085104	0.410599	-0.637207	0.063350	15.000000	-10.000000	30.000000
42	0.261897	0.159707	1.639859	0.294309	-2.453926	0.086481	0.413838	-0.666335	0.064015	15.000000	-10.000000	35.000000

RUN # F7515, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.351952	0.171701	2.049794	0.389452	-3.234608	0.040972	0.014206	-0.800218	0.035592	20.000000	-10.000000	0.000000
44	0.366323	0.174918	2.040454	0.404056	-3.402400	0.039080	-0.07286	-0.849442	0.036482	20.000000	-10.000000	15.000000
45	0.385170	0.173405	2.221216	0.421250	-3.506682	0.031212	-0.06567	-0.881091	0.037242	20.000000	-10.000000	20.000000
46	0.402125	0.184220	2.182846	0.440881	-3.625147	0.035576	-0.013473	-0.909085	0.038158	20.000000	-10.000000	25.000000
47	0.421259	0.186548	2.258175	0.459657	-3.717370	0.031219	-0.327941	-0.953070	0.038594	20.000000	-10.000000	30.000000
48	0.437885	0.191969	2.281020	0.477135	-3.926678	0.030626	-0.358450	-1.014133	0.039688	20.000000	-10.000000	35.000000
49	0.483159	0.203411	2.375285	0.523856	-4.208435	0.019839	-0.502316	-1.001581	-0.003573	25.000000	-10.000000	0.000000
50	0.518383	0.211473	2.451297	0.559186	-4.515361	0.027418	-0.541908	-1.076416	-0.007191	25.000000	-10.000000	15.000000
51	0.534277	0.217043	2.461619	0.575945	-4.690358	0.029087	-0.573274	-1.149479	-0.006375	25.000000	-10.000000	20.000000
52	0.555641	0.226044	2.458116	0.599112	-4.920256	0.029959	-0.585729	-1.203377	-0.007323	25.000000	-10.000000	25.000000
53	0.585512	0.235744	2.483676	0.630284	-5.077129	0.033791	-0.637509	-1.263890	-0.006807	25.000000	-10.000000	30.000000
54	0.591884	0.240258	2.488502	0.643404	-5.196564	0.034928	-0.634724	-1.293594	-0.005874	25.000000	-10.000000	35.000000
55	0.608897	0.255498	2.383182	0.655069	-5.317510	0.083181	-1.112771	-1.213079	-0.053777	30.000000	-10.000000	0.000000
56	0.655159	0.225554	2.403780	0.703661	-5.666921	0.091541	-1.167867	-1.314494	-0.052026	30.000000	-10.000000	15.000000
57	0.697345	0.290074	2.404716	0.749128	-6.07985	0.070561	-1.241092	-1.396883	-0.057111	30.000000	-10.000000	20.000000
58	0.707880	0.288523	2.470382	0.750974	-6.180301	0.105036	-1.263852	-1.476987	-0.055984	30.000000	-10.000000	25.000000
59	0.746548	0.305893	2.440552	0.799477	-6.42081	0.108363	-1.316526	-1.579161	-0.054907	30.000000	-10.000000	30.000000
60	0.757982	0.312331	2.426851	0.812597	-6.565739	0.108504	-1.340948	-1.628081	-0.056797	30.000000	-10.000000	35.000000
61	0.693771	0.326165	2.127056	0.755384	-6.056337	-0.130752	-1.465871	-1.377176	-0.085391	35.000000	-10.000000	0.000000
62	0.736895	0.346694	2.127334	0.802212	-6.39904	-0.138916	-1.528841	-1.459019	-0.087051	35.000000	-10.000000	15.000000
63	0.766604	0.358798	2.136587	0.833163	-6.69930	-0.145195	-1.581126	-1.539553	-0.088827	35.000000	-10.000000	20.000000
64	0.808102	0.375884	2.149815	0.877563	-7.018216	-0.155594	-1.641451	-1.634919	-0.092787	35.000000	-10.000000	25.000000
65	0.831746	0.387121	2.148542	0.903370	-7.213235	-0.159958	-1.663192	-1.669885	-0.088298	35.000000	-10.000000	30.000000
66	0.862806	0.398333	2.165591	0.935249	-7.536139	-0.168582	-1.743606	-1.776598	-0.092859	35.000000	-10.000000	35.000000
67	0.702448	0.391070	1.796196	0.789473	-6.372197	-0.151841	-1.555320	-1.352922	-0.098625	40.000000	-10.000000	0.000000
68	0.739335	0.417880	1.769335	0.834959	-6.704094	-0.155335	-1.629183	-1.493535	-0.100286	40.000000	-10.000000	15.000000
69	0.774413	0.440874	1.756542	0.876623	-6.952558	-0.160654	-1.675567	-1.535294	-0.098684	40.000000	-10.000000	20.000000
70	0.826784	0.462682	1.786938	0.930759	-7.311603	-0.177011	-1.752218	-1.655209	-0.107311	40.000000	-10.000000	25.000000
71	0.863190	0.491936	1.754679	0.977453	-7.622107	-0.178002	-1.821743	-1.735187	-0.106300	40.000000	-10.000000	30.000000
72	0.898204	0.511417	1.756306	1.016796	-7.979980	-0.185556	-1.930018	-1.852339	-0.109710	40.000000	-10.000000	35.000000
73	0.686958	0.456410	1.505131	0.808483	-6.538778	-0.163021	-1.596605	-1.482492	-0.097845	45.000000	-10.000000	0.000000
74	0.715137	0.492644	1.451630	0.854030	-6.813970	-0.157326	-1.642234	-1.552202	-0.099837	45.000000	-10.000000	15.000000
75	0.731694	0.504275	1.450982	0.873962	-6.892344	-0.160809	-1.637983	-1.559531	-0.100024	45.000000	-10.000000	20.000000
76	0.738157	0.508190	1.452521	0.881301	-7.096639	-0.162611	-1.719167	-1.629946	-0.099325	45.000000	-10.000000	25.000000
77	0.775076	0.527374	1.469690	0.920971	-7.332969	-0.175151	-1.772002	-1.729312	-0.103488	45.000000	-10.000000	30.000000
78	0.814302	0.565623	1.439653	0.975754	-7.599285	-0.175842	-1.792225	-1.762179	-0.101094	45.000000	-10.000000	35.000000
79	0.671177	0.555731	1.207738	0.857139	-6.834461	-0.156934	-1.646670	-1.557126	-0.096079	50.000000	-10.000000	0.000000
80	0.681118	0.565359	1.204752	0.870905	-7.007550	-0.158360	-1.709633	-1.622483	-0.099211	50.000000	-10.000000	15.000000
81	0.688665	0.565992	1.217095	0.876369	-7.092968	-0.163889	-1.716429	-1.660483	-0.101483	50.000000	-10.000000	20.000000
82	0.714846	0.584027	1.223994	0.906885	-7.311612	-0.172198	-1.764658	-1.704813	-0.104981	50.000000	-10.000000	25.000000
83	0.737658	0.607917	1.213418	0.939849	-7.462040	-0.174316	-1.787481	-1.753091	-0.103706	50.000000	-10.000000	30.000000
84	0.739303	0.612351	1.207319	0.944303	-7.551102	-0.172727	-1.798373	-1.765421	-0.101381	50.000000	-10.000000	35.000000

RUN # F7516, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.211948	0.139424	-1.520165	-0.225361	1.685614	0.116506	0.689045	0.331688	0.047622	-6.000000	-5.000000	0.000000
2	-0.224830	0.141731	-1.586220	-0.238413	1.770560	0.117433	0.689392	0.349797	0.044411	-6.000000	-5.000000	15.000000
3	-0.221490	0.141311	-1.567330	-0.235048	1.775794	0.117391	0.683674	0.349427	0.044161	-6.000000	-5.000000	20.000000
4	-0.220805	0.147558	-1.496393	-0.235019	1.728116	0.123669	0.666460	0.338495	0.044119	-6.000000	-5.000000	25.000000
5	-0.229251	0.143505	-1.597510	-0.242995	1.784871	0.118756	0.688997	0.316856	0.043819	-6.000000	-5.000000	30.000000
6	-0.223120	0.143597	-1.553796	-0.236908	1.767601	0.119488	0.656174	0.342081	0.040322	-6.000000	-5.000000	35.000000
7	-0.140920	0.127544	-1.104880	-0.147402	0.993856	0.119994	0.594095	0.153201	0.048284	-3.000000	-5.000000	0.000000
8	-0.146205	0.116157	-1.258685	-0.152084	1.034385	0.108346	0.575685	0.153870	0.044947	-3.000000	-5.000000	15.000000
9	-0.145607	0.122383	-1.189764	-0.151813	1.017453	0.114595	0.570753	0.153233	0.044976	-3.000000	-5.000000	20.000000
10	-0.148244	0.125795	-1.178461	-0.154624	1.010509	0.117864	0.589138	0.153266	0.045424	-3.000000	-5.000000	25.000000
11	-0.146306	0.122621	-1.193161	-0.152523	1.042374	0.114796	0.597651	0.163324	0.047563	-3.000000	-5.000000	30.000000
12	-0.144666	0.122056	-1.185246	-0.150856	1.040283	0.114317	0.580549	0.143686	0.044883	-3.000000	-5.000000	35.000000
13	-0.057929	0.107721	-0.537770	-0.057929	0.281910	0.107721	0.550282	-0.041502	0.050983	0.000000	-5.000000	0.000000
14	-0.067257	0.103087	-0.69282	-0.067257	0.347875	0.110387	0.536573	-0.028911	0.049710	0.000000	-5.000000	15.000000
15	-0.069388	0.108925	-0.641620	-0.069888	0.376664	0.108925	0.555468	-0.028555	0.049960	0.000000	-5.000000	20.000000
16	-0.067603	0.110986	-0.609110	-0.067603	0.370445	0.110986	0.565286	-0.047065	0.052692	0.000000	-5.000000	25.000000
17	-0.055790	0.107811	-0.517478	-0.055790	0.340402	0.107811	0.582279	-0.047226	0.053362	0.000000	-5.000000	30.000000
18	-0.058100	0.106025	-0.547984	-0.058100	0.334831	0.106025	0.582163	-0.037857	0.053126	0.000000	-5.000000	35.000000
19	0.006832	0.102938	0.066375	0.012210	-0.212080	0.102439	0.517423	-0.167025	0.056929	3.000000	-5.000000	0.000000
20	0.011043	0.108337	0.101835	0.016703	-0.237843	0.107710	0.530986	-0.177582	0.057835	3.000000	-5.000000	15.000000
21	0.015834	0.107511	0.147254	0.021440	-0.248911	0.106555	0.540034	-0.186839	0.058106	3.000000	-5.000000	20.000000
22	0.017130	0.103903	0.164664	0.022544	-0.279102	0.102864	0.548323	-0.222838	0.060721	3.000000	-5.000000	25.000000
23	0.028380	0.106418	0.266868	0.039111	-0.315849	0.104787	0.548429	-0.220087	0.060573	3.000000	-5.000000	30.000000
24	0.041493	0.109689	0.378276	0.047176	-0.374795	0.107367	0.549388	-0.256935	0.063793	3.000000	-5.000000	35.000000
25	0.075880	0.102814	0.738035	0.086212	-0.745294	0.094319	0.514324	-0.324606	0.063847	6.000000	-5.000000	0.000000
26	0.083165	0.103104	0.806614	0.094487	-0.828418	0.093846	0.517610	-0.341363	0.064316	6.000000	-5.000000	15.000000
27	0.096486	0.107632	0.896440	0.102028	-0.966621	0.096957	0.5221396	-0.39816	0.068034	6.000000	-5.000000	20.000000
28	0.103959	0.114139	0.910410	0.115120	-0.981019	0.102647	0.5226332	-0.399355	0.071369	6.000000	-5.000000	25.000000
29	0.106042	0.113272	0.936170	0.117301	-0.999190	0.101567	0.526173	-0.408691	0.071564	6.000000	-5.000000	30.000000
30	0.113836	0.107797	1.056028	0.124481	-1.067518	0.095307	0.545289	-0.433766	0.071974	6.000000	-5.000000	35.000000
31	0.165594	0.117420	1.410267	0.183468	-1.552876	0.086881	0.509406	-0.524804	0.068145	10.000000	-5.000000	0.000000
32	0.180290	0.124043	1.453450	0.199091	-1.678245	0.090851	0.500124	-0.571102	0.072440	10.000000	-5.000000	15.000000
33	0.192540	0.125435	1.534984	0.211397	-1.756780	0.090095	0.524462	-0.593357	0.076443	10.000000	-5.000000	20.000000
34	0.217060	0.125514	1.729368	0.235558	-1.875829	0.085915	0.537419	-0.608763	0.077355	10.000000	-5.000000	25.000000
35	0.227162	0.133161	1.705923	0.246834	-1.982550	0.091692	0.519188	-0.653734	0.080464	10.000000	-5.000000	30.000000
36	0.234212	0.133153	1.758972	0.253775	-2.065981	0.090459	0.521897	-0.689604	0.078347	10.000000	-5.000000	35.000000
37	0.302076	0.157141	1.922327	0.332454	-2.732092	0.073603	0.395243	-0.807583	0.067818	15.000000	-5.000000	0.000000
38	0.289174	0.154901	1.866830	0.319412	-2.685011	0.074779	0.389955	-0.803990	0.071810	15.000000	-5.000000	15.000000
39	0.304848	0.153864	1.981280	0.334283	-2.736146	0.069721	0.398608	-0.820237	0.072705	15.000000	-5.000000	20.000000
40	0.333919	0.163149	2.046709	0.364767	-2.909094	0.071165	0.370506	-0.871187	0.071369	15.000000	-5.000000	25.000000
41	0.338080	0.162226	2.084010	0.368548	-2.969851	0.069197	0.357338	-0.904077	0.071333	15.000000	-5.000000	30.000000
42	0.342077	0.162154	2.109577	0.372389	-3.053349	0.068093	0.372286	-0.915303	0.072286	15.000000	-5.000000	35.000000

RUN # F7516, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.4455896	0.184454	2.417389	0.482093	-3.842172	0.020824	-0.051105	-1.057714	0.036446	20.000000	-5.000000	0.000000
44	0.456171	0.186055	2.451806	0.492295	-3.948870	0.018815	-0.049829	-1.096168	0.039952	20.000000	-5.000000	15.000000
45	0.483856	0.198490	2.467919	0.528202	-4.150652	0.018979	-0.088839	-1.147721	0.038315	20.000000	-5.000000	20.000000
46	0.490469	0.196363	2.497760	0.528050	-4.186995	0.016771	-0.081141	-1.173340	0.041230	20.000000	-5.000000	25.000000
47	0.510462	0.198770	2.568103	0.547661	-4.309399	0.012195	-0.080211	-1.191058	0.039624	20.000000	-5.000000	30.000000
48	0.540267	0.208928	2.585902	0.579142	-4.545396	0.011546	-0.122433	-1.260228	0.040824	20.000000	-5.000000	35.000000
49	0.579167	0.222660	2.601124	0.619004	-4.830034	0.012968	-0.158150	-1.255233	0.002819	25.000000	-5.000000	0.000000
50	0.597191	0.223981	2.666254	0.635898	-5.068149	0.014938	-0.149388	-0.623505	-0.01704	25.000000	-5.000000	15.000000
51	0.634350	0.236142	2.686313	0.674715	-5.353667	0.051071	-0.622121	-1.358760	-0.002145	25.000000	-5.000000	20.000000
52	0.633955	0.236844	2.676684	0.674653	-5.447940	0.052368	-0.604442	-1.421319	0.04248	25.000000	-5.000000	25.000000
53	0.670603	0.248855	2.695080	0.712931	-5.62793	0.057997	-0.627012	-1.491657	0.000519	25.000000	-5.000000	30.000000
54	0.699073	0.263188	2.656173	0.744803	-5.925803	0.056911	-0.691357	-1.540066	0.01527	25.000000	-5.000000	35.000000
55	0.711880	0.287490	2.476191	0.760551	-5.859069	0.106965	-1.128145	-1.423842	-0.047028	30.000000	-5.000000	0.000000
56	0.687008	0.263859	2.603694	0.726896	-6.012609	0.114995	-1.154961	-1.513473	-0.046902	30.000000	-5.000000	15.000000
57	0.753231	0.294098	2.561154	0.799366	-6.278807	0.12198	-1.221600	-1.550933	-0.053559	30.000000	-5.000000	20.000000
58	0.784875	0.309250	2.537994	0.834347	-6.639097	0.124619	-1.689638	-1.68784	0.047984	30.000000	-5.000000	25.000000
59	0.785892	0.323864	2.426634	0.842534	-6.729291	0.112471	-1.237589	-1.720665	-0.045792	30.000000	-5.000000	30.000000
60	0.831004	0.313590	2.649969	0.876666	-7.070228	0.143925	-1.333152	-1.824437	-0.049918	30.000000	-5.000000	35.000000
61	0.741632	0.329198	2.252841	0.796330	-6.367457	0.155719	-1.407761	-1.541379	-0.075733	35.000000	-5.000000	0.000000
62	0.784865	0.353298	2.221539	0.845567	-6.728931	0.160775	-1.485308	-1.647431	-0.080244	35.000000	-5.000000	15.000000
63	0.816774	0.368880	2.214200	0.880643	-6.975476	0.166313	-1.523112	-1.717097	-0.079002	35.000000	-5.000000	20.000000
64	0.828874	0.376554	2.201210	0.894956	-7.149737	0.166967	-1.564268	-1.782219	-0.081206	35.000000	-5.000000	25.000000
65	0.887103	0.405396	2.188238	0.959198	-7.544137	0.176740	-1.638962	-1.878871	-0.080066	35.000000	-5.000000	30.000000
66	0.936310	0.435772	2.148623	1.016929	-7.825692	0.180081	-1.680901	-1.981688	-0.084625	35.000000	-5.000000	35.000000
67	0.756158	0.407933	1.853635	0.841465	-6.560179	0.173554	-1.511457	-1.580225	-0.084139	40.000000	-5.000000	0.000000
68	0.744655	0.396648	1.877367	0.825399	-6.676013	0.174804	-1.526365	-1.630238	-0.082838	40.000000	-5.000000	15.000000
69	0.841319	0.467724	1.798752	0.945135	-7.094045	0.182492	-1.602382	-1.601254	-0.091254	40.000000	-5.000000	20.000000
70	0.865206	0.479690	1.803679	0.971125	-7.549041	0.18680	-1.64931	-1.788196	-0.089397	40.000000	-5.000000	25.000000
71	0.881468	0.481674	1.830011	0.984858	-7.840971	0.197613	-1.711874	-1.886235	-0.093451	40.000000	-5.000000	30.000000
72	0.919403	0.511339	1.798031	1.032986	-8.139535	0.199272	-1.760728	-1.930177	-0.097417	40.000000	-5.000000	35.000000
73	0.733687	0.497074	1.476012	0.870279	-6.799248	0.167310	-1.529508	-1.631108	-0.086658	45.000000	-5.000000	0.000000
74	0.783027	0.533239	1.468437	0.930741	-7.026276	0.176627	-1.563527	-1.712562	-0.087624	45.000000	-5.000000	15.000000
75	0.768130	0.513362	1.496273	0.906152	-7.168895	0.180147	-1.589086	-1.722923	-0.089510	45.000000	-5.000000	20.000000
76	0.788685	0.541885	1.455446	0.940856	-7.318769	0.174513	-1.610781	-1.741779	-0.085799	45.000000	-5.000000	25.000000
77	0.800519	0.540164	1.481991	0.948006	-7.544953	0.184098	-1.650063	-1.806720	-0.090895	45.000000	-5.000000	30.000000
78	0.826419	0.571148	1.446944	0.988230	-7.764498	0.180503	-1.697291	-1.895242	-0.092614	45.000000	-5.000000	35.000000
79	0.704738	0.571222	1.233737	0.890579	-7.048386	0.172685	-1.550336	-1.691108	-0.084660	50.000000	-5.000000	0.000000
80	0.728235	0.587466	1.239621	0.918125	-7.204619	0.180244	-1.599323	-1.760382	-0.088429	50.000000	-5.000000	15.000000
81	0.732336	0.582220	1.257873	0.917230	-7.311015	0.186871	-1.612337	-1.77426	-0.085929	50.000000	-5.000000	20.000000
82	0.771937	0.621160	1.23046	0.916624	-7.59215	0.188275	-1.651378	-1.827725	-0.086234	50.000000	-5.000000	25.000000
83	0.755687	0.621106	1.216357	0.961412	-7.571528	0.179496	-1.650866	-1.829066	-0.086720	50.000000	-5.000000	30.000000
84	0.790430	0.643358	1.228162	1.001096	-7.921149	0.191814	-1.729261	-1.901597	-0.088349	50.000000	-5.000000	35.000000

RUN # F7517, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.136540	0.113129	-1.206937	-0.147617	1.216069	0.098237	0.687675	0.165494	0.053914	-6.000000	0.000000	0.000000
2	-0.148417	0.112545	-1.318731	-0.159368	1.291922	0.096415	0.692208	0.20079	0.051046	-6.000000	0.000000	0.000000
3	-0.149950	0.117631	-1.266253	-0.160430	1.281432	0.101417	0.692227	0.176528	0.053928	-6.000000	0.000000	0.000000
4	-0.150608	0.115783	-1.300777	-0.161886	1.262231	0.099406	0.689815	0.165335	0.053484	-6.000000	0.000000	0.000000
5	-0.1446697	0.119258	-1.213310	-0.156370	1.262591	0.103480	0.685383	0.153601	0.052788	-6.000000	0.000000	0.000000
6	-0.145883	0.119941	-1.216290	-0.157621	1.256928	0.104035	0.694561	0.154493	0.050720	-6.000000	0.000000	0.000000
7	-0.060702	0.103541	-0.586256	-0.066037	0.481190	0.100222	0.622879	-0.047928	0.056005	-3.000000	0.000000	0.000000
8	-0.074569	0.106929	-0.701108	-0.080462	0.581566	0.102859	0.619833	-0.020033	0.054869	-3.000000	0.000000	0.000000
9	-0.077028	0.104074	-0.740130	-0.082370	0.584172	0.099900	0.639904	-0.010766	0.054692	-3.000000	0.000000	0.000000
10	-0.073498	0.101620	-0.742939	-0.080712	0.6016767	0.097530	0.634689	-0.019683	0.054010	-3.000000	0.000000	0.000000
11	-0.071436	0.104203	-0.685548	-0.076792	0.581931	0.100322	0.643500	-0.019830	0.054117	-3.000000	0.000000	0.000000
12	-0.074443	0.106464	-0.699237	-0.079913	0.560415	0.102422	0.641284	-0.037922	0.054720	-3.000000	0.000000	0.000000
13	0.018269	0.086179	0.211989	0.018269	-0.144164	0.086179	0.583879	-0.211842	0.062108	0.000000	0.000000	0.000000
14	0.013669	0.086288	0.157713	0.013609	-0.133555	0.086288	0.596901	-0.203254	0.064905	0.000000	0.000000	0.000000
15	0.002285	0.085889	0.024391	0.002185	-0.078977	0.085889	0.592546	-0.200489	0.063704	0.000000	0.000000	0.000000
16	0.018613	0.088804	0.209601	0.018613	-0.130555	0.088804	0.604484	-0.201588	0.064709	0.000000	0.000000	0.000000
17	0.020441	0.094156	0.217095	0.020441	-0.149879	0.094156	0.613565	-0.230701	0.065544	0.000000	0.000000	0.000000
18	0.014636	0.091308	0.160507	0.014656	-0.161736	0.091308	0.611609	-0.226561	0.067047	0.000000	0.000000	0.000000
19	0.087287	0.087269	1.000206	0.091735	-0.701139	0.082581	0.556788	-0.341635	0.066416	3.000000	0.000000	0.000000
20	0.086034	0.087402	0.984355	0.090491	-0.672517	0.082779	0.576324	-0.333862	0.069332	3.000000	0.000000	0.000000
21	0.087267	0.090228	0.959745	0.091906	-0.703470	0.086236	0.572029	-0.352068	0.069525	3.000000	0.000000	0.000000
22	0.095979	0.095238	1.007772	0.100831	-0.768454	0.090085	0.582357	-0.372409	0.070607	3.000000	0.000000	0.000000
23	0.086855	0.089310	0.972506	0.091410	-0.768206	0.084642	0.577639	-0.386114	0.072182	3.000000	0.000000	0.000000
24	0.102197	0.092582	1.103850	0.106903	-0.826712	0.087107	0.595031	-0.410739	0.073954	3.000000	0.000000	0.000000
25	0.181530	0.110435	1.643777	0.192080	-1.427176	0.090855	0.598243	-0.527685	0.080725	6.000000	0.000000	0.000000
26	0.166290	0.110926	1.499102	0.176974	-1.434912	0.092937	0.603071	-0.549798	0.081727	6.000000	0.000000	0.000000
27	0.186111	0.111690	1.666315	0.196766	-1.547694	0.091624	0.616755	-0.583629	0.086120	6.000000	0.000000	0.000000
28	0.183897	0.109591	1.678037	0.194345	-1.546509	0.089768	0.614738	-0.596882	0.085446	6.000000	0.000000	0.000000
29	0.205804	0.115183	1.786747	0.216716	-1.681481	0.093040	0.638990	-0.632025	0.090434	6.000000	0.000000	0.000000
30	0.199876	0.116369	1.717611	0.210945	-1.702405	0.094839	0.6347785	-0.648087	0.089321	6.000000	0.000000	0.000000
31	0.250219	0.126023	1.985501	0.2688102	-2.202882	0.080659	0.514472	-0.757070	0.084394	10.000000	0.000000	0.000000
32	0.263334	0.125872	2.092073	0.281191	-2.272250	0.078233	0.526380	-0.783857	0.085051	10.000000	0.000000	0.000000
33	0.274679	0.128414	2.139005	0.292805	-2.394217	0.078766	0.530232	-0.816890	0.089051	10.000000	0.000000	0.000000
34	0.286937	0.133639	2.147107	0.305784	-2.47900	0.081782	0.545748	-0.860784	0.093179	10.000000	0.000000	0.000000
35	0.320235	0.134460	2.381637	0.338719	-2.62072	0.07809	0.558048	-0.890694	0.095357	10.000000	0.000000	0.000000
36	0.298165	0.133340	2.236133	0.316789	-2.552810	0.079538	0.565549	-0.887118	0.093292	10.000000	0.000000	0.000000
37	0.398948	0.174363	2.288032	0.430483	-3.349256	0.065156	0.353707	-1.042523	0.077718	15.000000	0.000000	0.000000
38	0.408592	0.178076	2.294477	0.440759	-3.460497	0.066237	0.386202	-1.071825	0.081872	15.000000	0.000000	0.000000
39	0.405627	0.181492	2.234953	0.438779	-3.429105	0.070324	0.417408	-1.066303	0.084685	15.000000	0.000000	0.000000
40	0.113906	0.181950	2.274833	0.446894	-3.581193	0.068624	0.398344	-1.084334	0.085817	15.000000	0.000000	0.000000
41	0.424309	0.185781	2.283920	0.457935	-3.6131965	0.069632	0.378978	-1.131516	0.086210	15.000000	0.000000	0.000000
42	0.4133313	0.184189	2.243960	0.446901	-3.572228	0.070940	0.414580	-1.127377	0.088526	15.000000	0.000000	0.000000

RUN # E7517, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.528813	0.210434	2.512966	0.568894	-4.489244	0.016879	-0.084477	-1.258331	0.041012	20.000000	0.000000	0.000000
44	0.533481	0.209919	2.552315	0.522797	-4.580000	0.013952	-0.087061	-1.303712	0.044276	20.000000	0.000000	15.000000
45	0.566099	0.220856	2.566210	0.601497	-4.695853	0.013919	-0.092227	-1.323883	0.047859	20.000000	0.000000	20.000000
46	0.580528	0.223678	2.593379	0.622020	-4.807662	0.011636	-0.106505	-1.347497	0.045848	20.000000	0.000000	25.000000
47	0.583320	0.229850	2.544652	0.622634	-5.030540	0.015797	-0.125585	-1.418648	0.047443	20.000000	0.000000	30.000000
48	0.599598	0.219317	2.733517	0.638414	-5.052773	0.000922	-0.119293	-1.461588	0.047296	20.000000	0.000000	35.000000
49	0.624393	0.242178	2.579242	0.668241	-5.292681	0.044392	-0.563052	-1.425792	0.003962	25.000000	0.000000	0.000000
50	0.676337	0.259117	2.601134	0.722730	-5.591632	0.050449	-0.607146	-1.489128	0.003386	25.000000	0.000000	15.000000
51	0.700417	0.268879	2.610178	0.748173	-5.854769	0.052866	-0.647063	-1.561277	0.000868	25.000000	0.000000	20.000000
52	0.711684	0.278818	2.556169	0.762670	-6.066308	0.048438	-0.651533	-1.616800	0.003163	25.000000	0.000000	25.000000
53	0.752298	0.295181	2.545959	0.806562	-6.301928	0.050109	-0.665949	-1.680765	0.004998	25.000000	0.000000	30.000000
54	0.751424	0.289905	2.592965	0.803498	-6.421684	0.054913	-0.700768	-1.761908	0.002656	25.000000	0.000000	35.000000
55	0.747138	0.303646	2.466055	0.798863	-6.394356	0.110603	-1.168762	-1.619558	-0.044625	30.000000	0.000000	0.000000
56	0.799315	0.334001	2.393197	0.859328	-6.651572	0.110404	-1.174151	-1.712130	-0.041044	30.000000	0.000000	15.000000
57	0.801719	0.332277	2.413526	0.860297	-6.862191	0.113185	-1.243774	-1.743774	-0.042686	30.000000	0.000000	20.000000
58	0.855050	0.352265	2.427984	0.916518	-7.188914	0.122541	-1.268687	-1.861101	-0.044334	30.000000	0.000000	25.000000
59	0.892013	0.371436	2.401523	0.958224	-7.439582	0.124433	-1.295279	-1.945181	-0.045277	30.000000	0.000000	30.000000
60	0.911822	0.381437	2.390492	0.980380	-7.606867	0.125577	-1.298030	-1.974696	-0.041439	30.000000	0.000000	35.000000
61	0.782921	0.367162	2.132356	0.851927	-6.762834	-0.148303	-1.424688	-1.662787	-0.067321	35.000000	0.000000	0.000000
62	0.835739	0.392199	2.130902	0.909533	-7.141924	-0.158089	-1.486260	-1.783420	-0.072138	35.000000	0.000000	15.000000
63	0.852536	0.400190	2.130328	0.922789	-7.301627	-0.161178	-1.491446	-1.820120	-0.071522	35.000000	0.000000	20.000000
64	0.893632	0.427648	2.089667	0.977318	-7.658285	-0.162263	-1.546303	-1.895771	-0.074268	35.000000	0.000000	25.000000
65	0.910221	0.430710	2.113301	0.992655	-8.016581	-0.169263	-1.576287	-2.013841	-0.074236	35.000000	0.000000	30.000000
66	0.980741	0.462135	2.122197	1.068446	-8.345317	-0.183971	-1.677840	-2.118204	-0.079645	35.000000	0.000000	35.000000
67	0.772403	0.440612	1.753025	0.874915	-6.901569	-0.158963	-1.452727	-1.686827	-0.080224	40.000000	0.000000	0.000000
68	0.786060	0.435065	1.806765	0.881811	-7.155676	-0.171990	-1.467878	-1.788854	-0.078967	40.000000	0.000000	15.000000
69	0.845820	0.473087	1.787887	0.952031	-7.442279	-0.181276	-1.552271	-1.865263	-0.085000	40.000000	0.000000	20.000000
70	0.852915	0.477041	1.787929	0.960007	-7.672863	-0.182808	-1.557800	-1.916130	-0.083101	40.000000	0.000000	25.000000
71	0.879610	0.500353	1.757978	0.995441	-7.947626	-0.182109	-1.614218	-1.943185	-0.082511	40.000000	0.000000	30.000000
72	0.937708	0.528958	1.772747	1.058334	-8.417055	-0.197542	-1.696482	-2.089579	-0.089544	40.000000	0.000000	35.000000
73	0.737011	0.511041	1.442174	0.882506	-7.024995	-0.159784	-1.473039	-1.754639	-0.078827	45.000000	0.000000	0.000000
74	0.780733	0.550646	1.417850	0.941427	-7.271012	-0.162696	-1.508025	-1.810775	-0.081355	45.000000	0.000000	15.000000
75	0.789490	0.558406	1.413828	0.953106	-7.471902	-0.163400	-1.545460	-1.859700	-0.078577	45.000000	0.000000	20.000000
76	0.803825	0.566170	1.419759	0.968733	-7.488205	-0.168047	-1.541531	-1.866621	-0.071642	45.000000	0.000000	25.000000
77	0.827073	0.590654	1.400266	1.002484	-7.676702	-0.167173	-1.584323	-1.937804	-0.083122	45.000000	0.000000	30.000000
78	0.852032	0.616465	1.382126	1.038384	-8.011118	-0.166570	-1.617781	-1.949093	-0.076572	45.000000	0.000000	35.000000
79	0.719076	0.614170	1.170810	0.932694	-7.305884	-0.156063	-1.525741	-1.815134	-0.079002	50.000000	0.000000	0.000000
80	0.753170	0.635711	1.184768	0.971112	-7.631854	-0.168334	-1.589846	-1.894625	-0.081229	50.000000	0.000000	15.000000
81	0.753640	0.641390	1.175011	0.975764	-7.672068	-0.165043	-1.572991	-1.889114	-0.081694	50.000000	0.000000	20.000000
82	0.781064	0.663731	1.176778	1.010506	-7.787245	-0.171691	-1.629498	-1.929677	-0.084166	50.000000	0.000000	25.000000
83	0.780171	0.666561	1.170442	1.012100	-7.912055	-0.169188	-1.611255	-1.936840	-0.081015	50.000000	0.000000	30.000000
84	0.780515	0.657928	1.186324	1.005708	-8.020441	-0.175001	-1.616156	-1.971931	-0.081980	50.000000	0.000000	35.000000

RUN # F7518, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CY	CY	CRM	CA	ALPHA	FLAP	PJET
1	-0.049448	0.116488	-0.424489	-0.061353	0.432742	0.110681	0.720693	-0.119148	0.069718	-6.000000	10.000000	0.000000	
2	-0.061081	0.114928	-0.531478	-0.072760	0.489727	0.107913	0.764614	-0.08817	0.072998	-6.000000	10.000000	15.000000	
3	-0.052286	0.118544	-0.441067	-0.064390	0.494181	0.112429	0.763216	-0.092119	0.070060	-6.000000	10.000000	20.000000	
4	-0.058199	0.120822	-0.486655	-0.071106	0.507571	0.114014	0.758427	-0.0911594	0.072007	-6.000000	10.000000	25.000000	
5	-0.055161	0.125486	-0.439578	-0.067975	0.495665	0.119032	0.757020	-0.099317	0.071446	-6.000000	10.000000	30.000000	
6	-0.061813	0.130947	-0.472044	-0.075162	0.513048	0.123769	0.7522305	-0.099394	0.073905	-6.000000	10.000000	35.000000	
7	0.026102	0.118359	0.220533	0.019872	-0.213737	0.119563	0.696568	-0.269244	0.074139	-3.000000	10.000000	0.000000	
8	0.013818	0.123104	0.122448	0.00735	-0.131124	0.123659	0.698833	-0.251005	0.073419	-3.000000	10.000000	15.000000	
9	0.020241	0.123523	0.163866	0.013749	-0.159334	0.124413	0.727636	-0.268341	0.076633	-3.000000	10.000000	20.000000	
10	0.017242	0.124318	0.138690	0.010712	-0.178428	0.125050	0.727436	-0.267435	0.076558	-3.000000	10.000000	25.000000	
11	0.015329	0.125161	0.121893	0.008727	-0.160934	0.126391	0.731178	-0.267974	0.076622	-3.000000	10.000000	30.000000	
12	0.012475	0.124309	0.100357	0.005952	-0.16870	0.124791	0.740783	-0.278022	0.077029	-3.000000	10.000000	35.000000	
13	0.100248	0.111144	0.878264	0.100248	-0.890484	0.114144	0.675445	-0.470850	0.082319	0.000000	10.000000	0.000000	
14	0.101166	0.118663	0.852550	0.101166	-0.830470	0.118663	0.655312	-0.439431	0.079790	0.000000	10.000000	15.000000	
15	0.098027	0.1113807	0.846462	0.098027	-0.834670	0.115807	0.681848	-0.437787	0.082495	0.000000	10.000000	20.000000	
16	0.100194	0.116713	0.859422	0.100194	-0.839425	0.116773	0.7012659	-0.446563	0.082862	0.000000	10.000000	25.000000	
17	0.099426	0.118491	0.838495	0.099426	-0.882245	0.118541	0.712698	-0.467113	0.086252	0.000000	10.000000	30.000000	
18	0.089553	0.121779	0.735371	0.089553	-0.812398	0.121779	0.720024	-0.480006	0.085158	0.000000	10.000000	35.000000	
19	0.187853	0.118985	1.578796	0.193823	-1.634334	0.108990	0.699271	-0.658069	0.091908	3.000000	10.000000	0.000000	
20	0.188759	0.119448	1.580255	0.194751	-1.626511	0.109406	0.736040	-0.676986	0.096024	3.000000	10.000000	15.000000	
21	0.202816	0.121798	1.665116	0.208912	-1.707341	0.111017	0.731033	-0.691362	0.096290	3.000000	10.000000	20.000000	
22	0.208762	0.128469	1.624997	0.215199	-1.734612	0.117367	0.739294	-0.692349	0.098597	3.000000	10.000000	25.000000	
23	0.194723	0.134723	1.445351	0.201507	-1.662306	0.124348	0.720041	-0.710141	0.097725	3.000000	10.000000	30.000000	
24	0.214679	0.132696	1.617824	0.2221330	-1.808867	0.121279	0.755713	-0.731479	0.102349	3.000000	10.000000	35.000000	
25	0.292771	0.143133	2.045452	0.306129	-2.479586	0.111746	0.741024	-0.886450	0.106288	6.000000	10.000000	0.000000	
26	0.285866	0.148733	1.922008	0.299847	-2.457054	0.11037	0.740625	-0.882422	0.105896	6.000000	10.000000	15.000000	
27	0.288043	0.149120	1.931621	0.302052	-2.493693	0.118194	0.759656	-0.893486	0.109236	6.000000	10.000000	20.000000	
28	0.295766	0.154994	1.908247	0.310397	-2.504304	0.120229	0.760434	-0.914693	0.109738	6.000000	10.000000	25.000000	
29	0.306449	0.153812	1.992358	0.320848	-2.554197	0.120937	0.768862	-0.924996	0.112206	6.000000	10.000000	30.000000	
30	0.296182	0.156164	1.909413	0.312872	-2.630399	0.124110	0.790693	-0.942109	0.112830	6.000000	10.000000	35.000000	
31	0.355172	0.169845	2.091157	0.379269	-3.135703	0.105589	0.693581	-1.061741	0.107890	10.000000	10.000000	0.000000	
32	0.389953	0.185759	2.076625	0.415970	-3.382412	0.115275	0.716448	-1.25126	0.114284	10.000000	10.000000	15.000000	
33	0.384836	0.183713	2.094764	0.410891	-3.309831	0.114096	0.70883	-1.094213	0.112134	10.000000	10.000000	20.000000	
34	0.391191	0.186772	2.094490	0.417681	-3.433760	0.116005	0.722246	-1.139639	0.114504	10.000000	10.000000	25.000000	
35	0.400113	0.186754	2.142455	0.426464	-3.410091	0.114438	0.719242	-1.140477	0.112690	10.000000	10.000000	30.000000	
36	0.399820	0.190876	2.094656	0.426891	-3.469091	0.118548	0.732038	-1.180801	0.115633	10.000000	10.000000	35.000000	
37	0.503868	0.234422	2.149405	0.547372	-4.439346	0.096024	0.489301	-1.345540	0.095278	15.000000	10.000000	0.000000	
38	0.493455	0.235500	2.140805	0.536299	-4.316132	0.094930	0.494879	-1.346623	0.093742	15.000000	10.000000	15.000000	
39	0.495284	0.238672	2.075163	0.540180	-4.413826	0.102351	0.494871	-1.354500	0.094924	15.000000	10.000000	20.000000	
40	0.508373	0.241853	2.076239	0.554423	-4.541702	0.104933	0.501842	-1.377591	0.098330	15.000000	10.000000	25.000000	
41	0.525271	0.248102	2.117156	0.571586	-4.642801	0.103698	0.508106	-1.410511	0.100391	15.000000	10.000000	30.000000	
42	0.530659	0.246213	2.154760	0.576318	-4.585630	0.105037	0.525226	-1.428235	0.101824	15.000000	10.000000	35.000000	

RUN # F7518, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.583969	0.248562	2.349396	0.633765	-5.293645	0.033842	0.009632	-1.509242	0.054747	20.000000	10.000000	0.000000
44	0.602727	0.261112	2.308309	0.655683	-5.402672	0.039220	0.016761	-1.544044	0.055850	20.000000	10.000000	15.000000
45	0.622901	0.270226	2.305114	0.677758	-5.500329	0.040885	0.008739	-1.585174	0.05359	20.000000	10.000000	20.000000
46	0.652979	0.280495	2.327949	0.709534	-5.784787	0.040248	0.012978	-1.658019	0.061848	20.000000	10.000000	25.000000
47	0.661709	0.283899	2.330793	0.718903	-5.873324	0.040460	0.001554	-1.694125	0.055693	20.000000	10.000000	30.000000
48	0.670599	0.282256	2.375851	0.726694	-6.000271	0.035876	-0.007180	-1.733563	0.062950	20.000000	10.000000	35.000000
49	0.696516	0.318225	2.188754	0.765746	-6.095885	-0.005950	-0.478515	-1.676849	0.012066	25.000000	10.000000	0.000000
50	0.744712	0.332026	2.242933	0.815258	-6.474133	-0.013811	-0.538760	-1.751260	0.011126	25.000000	10.000000	15.000000
51	0.779105	0.347139	2.244362	0.852816	6.722011	0.014649	-0.542866	-1.817909	0.013323	25.000000	10.000000	20.000000
52	0.793801	0.357225	2.222130	0.870398	-6.899946	-0.011718	-0.552354	-1.879183	0.017671	25.000000	10.000000	25.000000
53	0.805475	0.360730	2.232906	0.882459	-7.023026	-0.013476	-0.568519	-1.926976	0.015976	25.000000	10.000000	30.000000
54	0.837674	0.373480	2.242888	0.917030	-7.286116	-0.015528	-0.575262	-2.012733	0.01808	25.000000	10.000000	35.000000
55	0.798155	0.377441	2.114648	0.879943	-6.954001	-0.072204	-0.987831	-1.795656	-0.030662	30.000000	10.000000	0.000000
56	0.830707	0.390923	2.124988	0.914875	-7.302595	-0.076804	-1.033032	-1.904740	-0.029359	30.000000	10.000000	15.000000
57	0.863978	0.403337	2.142074	0.949895	-7.513218	-0.082688	-1.071399	-1.955917	-0.030199	30.000000	10.000000	20.000000
58	0.907987	0.422991	2.146585	0.997836	-7.893673	-0.087672	-1.114364	-2.054254	-0.029894	30.000000	10.000000	25.000000
59	0.903848	0.423797	2.132741	0.994654	-7.951818	-0.084905	-1.089671	-2.094072	-0.029527	30.000000	10.000000	30.000000
60	0.927176	0.430452	2.153958	1.018184	-8.161198	-0.090805	-1.129781	-2.141893	-0.029961	30.000000	10.000000	35.000000
61	0.812095	0.436922	1.858670	0.915837	-7.201705	-0.107892	-1.167804	-1.827732	-0.054399	35.000000	10.000000	0.000000
62	0.838897	0.453736	1.849047	0.947504	-7.510464	-0.109539	-1.202666	-1.877181	-0.054869	35.000000	10.000000	15.000000
63	0.898409	0.483934	1.856472	1.013506	-7.892005	-0.118891	-1.272930	-1.993482	-0.054493	35.000000	10.000000	20.000000
64	0.915355	0.486669	1.880856	1.028957	-8.149497	-0.126369	-1.319060	-2.075882	-0.060819	35.000000	10.000000	25.000000
65	0.945494	0.506275	1.867549	1.064891	-8.380701	-0.127596	-1.347464	-2.141510	-0.058104	35.000000	10.000000	30.000000
66	0.999053	0.537458	1.858849	1.126650	-8.768132	-0.132773	-1.407397	-2.233703	-0.059394	35.000000	10.000000	35.000000
67	0.781320	0.507101	1.540760	0.924484	-7.274102	-0.113761	-1.226543	-1.818585	-0.060477	40.000000	10.000000	0.000000
68	0.796489	0.518274	1.536811	0.943286	-7.525668	-0.114952	-1.254211	-1.869416	-0.059303	40.000000	10.000000	15.000000
69	0.830298	0.543809	1.526820	0.985599	-7.613825	-0.117123	-1.265240	-1.908306	-0.061153	40.000000	10.000000	20.000000
70	0.826694	0.537452	1.538174	0.978752	-7.836261	-0.119676	-1.289636	-1.951317	-0.061164	40.000000	10.000000	25.000000
71	0.873714	0.584990	1.493554	1.045528	-8.231341	-0.113484	-1.313121	-2.032583	-0.061667	40.000000	10.000000	30.000000
72	0.926050	0.602233	1.5371692	1.096503	-8.580903	-0.133915	-1.400682	-2.172448	-0.066717	40.000000	10.000000	35.000000
73	0.748264	0.589985	1.268277	0.946285	-7.445751	-0.111920	-1.234409	-1.861557	-0.064049	45.000000	10.000000	0.000000
74	0.756968	0.591536	1.27208	0.955658	-7.519620	-0.114856	-1.266839	-1.883197	-0.063195	45.000000	10.000000	15.000000
75	0.765566	0.599822	1.276320	0.965475	-7.687808	-0.117198	-1.255062	-1.909735	-0.064243	45.000000	10.000000	20.000000
76	0.786130	0.615542	1.266890	0.993961	-7.826460	-0.117795	-1.283871	-1.972274	-0.065079	45.000000	10.000000	25.000000
77	0.804036	0.632990	1.270220	1.016131	-8.102326	-0.120948	-1.312550	-2.048125	-0.067182	45.000000	10.000000	30.000000
78	0.819980	0.652717	1.256257	1.041354	-8.206071	-0.118272	-1.30343	-2.042339	-0.066763	45.000000	10.000000	35.000000
79	0.686725	0.670419	1.024321	0.954989	-7.518034	-0.095124	-2.222842	-1.868850	-0.661361	50.000000	10.000000	0.000000
80	0.673153	0.651961	1.027776	0.934424	-7.413726	-0.094664	-2.179295	-1.879599	-0.647740	50.000000	10.000000	15.000000
81	0.711815	0.694367	1.025129	0.989462	-7.757792	-0.08951	-2.11131	-1.951504	-0.665996	50.000000	10.000000	20.000000
82	0.700330	0.688374	1.017172	0.977489	-7.737172	-0.094005	-2.265593	-1.958310	-0.665147	50.000000	10.000000	25.000000
83	0.704457	0.691607	1.018581	0.982218	-7.846918	-0.095089	-2.213427	-1.975195	-0.659749	50.000000	10.000000	30.000000
84	0.752115	0.734878	1.023455	1.046399	-8.161434	-0.103782	-2.3139891	-2.059134	-0.662793	50.000000	10.000000	35.000000

RUN # F7519, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.004777	0.101903	0.046880	-0.005901	0.059558	0.101844	0.797830	-0.298794	0.080782	-6.000000	15.000000	0.000000
2	-0.0013026	0.105445	-0.123532	-0.023976	0.157505	0.103505	0.828115	-0.282127	0.080924	-6.000000	15.000000	15.000000
3	0.000140	0.107852	0.0012297	-0.011134	0.141647	0.107276	0.826916	-0.271219	0.080868	-6.000000	15.000000	20.000000
4	-0.004378	0.10794	-0.040549	-0.015641	0.165419	0.106925	0.835800	-0.270424	0.080613	-6.000000	15.000000	25.000000
5	-0.011148	0.108251	-0.102983	-0.022402	0.125152	0.106493	0.844079	-0.299644	0.083846	-6.000000	15.000000	30.000000
6	-0.0008880	0.110294	-0.007981	-0.012404	0.168443	0.109598	0.820868	-0.254578	0.081302	-6.000000	15.000000	35.000000
7	0.082177	0.103634	0.792957	0.076641	-0.581913	0.107793	0.765410	-0.437612	0.081763	-3.000000	15.000000	0.000000
8	0.079276	0.105957	0.748192	0.073622	-0.538208	0.109960	0.798780	-0.442294	0.085267	-3.000000	15.000000	0.000000
9	0.080932	0.107874	0.750243	0.075175	-0.537626	0.111962	0.802388	-0.437371	0.084684	-3.000000	15.000000	20.000000
10	0.070789	0.105953	0.668121	0.065147	-0.527512	0.109513	0.807530	-0.436472	0.086921	-3.000000	15.000000	25.000000
11	0.079553	0.113477	0.701048	0.073505	-0.523935	0.117485	0.830995	-0.459665	0.088332	-3.000000	15.000000	30.000000
12	0.081008	0.112375	0.720876	0.075016	-0.569150	0.116460	0.841230	-0.460460	0.0888929	-3.000000	15.000000	35.000000
13	0.185803	0.115256	1.612085	0.185803	-1.468769	0.115256	0.72033	-0.695952	0.098218	0.000000	15.000000	0.000000
14	0.181770	0.115582	1.572653	0.181770	-1.423109	0.115582	0.802451	-0.691150	0.100800	0.000000	15.000000	0.000000
15	0.177842	0.109446	1.621933	0.177842	-1.373072	0.109446	0.799544	-0.673074	0.096691	0.000000	15.000000	20.000000
16	0.193207	0.116835	1.653616	0.193207	-1.524939	0.116835	0.831482	-0.710075	0.102927	0.000000	15.000000	25.000000
17	0.177572	0.119564	1.485650	0.177572	-1.413509	0.119564	0.822476	-0.689998	0.100708	0.000000	15.000000	30.000000
18	0.178954	0.123883	1.44542	0.178954	-1.428469	0.123823	0.830314	-0.706710	0.100901	0.000000	15.000000	35.000000
19	0.276722	0.129217	2.141526	0.2803106	-2.250387	0.114558	0.819246	-0.926954	0.113142	3.000000	15.000000	0.000000
20	0.275830	0.137576	2.004929	0.282652	-2.243887	0.122952	0.845631	-0.922743	0.111619	3.000000	15.000000	0.000000
21	0.290258	0.134999	2.150067	0.296625	-2.351373	0.119623	0.868304	-0.960038	0.116955	3.000000	15.000000	20.000000
22	0.285488	0.131390	2.172826	0.291973	-2.261712	0.116269	0.867063	-0.934073	0.111517	3.000000	15.000000	25.000000
23	0.280360	0.135631	2.067084	0.287075	-2.285307	0.120772	0.882954	-0.943073	0.115287	3.000000	15.000000	30.000000
24	0.290902	0.139803	2.080801	0.297820	-2.333417	0.124387	0.897830	-0.972623	0.118080	3.000000	15.000000	35.000000
25	0.346611	0.154025	2.250359	0.360812	-2.908809	0.116950	0.859942	-1.085515	0.117473	6.000000	15.000000	0.000000
26	0.365605	0.167879	2.177797	0.381151	-3.022616	0.122843	0.827443	-0.869522	0.122454	6.000000	15.000000	15.000000
27	0.361000	0.168762	2.139005	0.376663	-2.960717	0.130103	0.863885	-0.915339	0.120114	6.000000	15.000000	20.000000
28	0.374229	0.166854	2.242848	0.389620	-3.029883	0.126823	0.892178	-1.129219	0.124383	6.000000	15.000000	25.000000
29	0.374024	0.171267	2.183889	0.389877	-3.080185	0.131233	0.918788	-1.156054	0.127852	6.000000	15.000000	30.000000
30	0.370549	0.170097	2.178462	0.386629	-3.039933	0.130432	0.907536	-1.147866	0.126066	6.000000	15.000000	35.000000
31	0.453659	0.195854	2.316319	0.480777	-3.779521	0.114101	0.801742	-1.304175	0.124965	10.000000	15.000000	0.000000
32	0.433896	0.191257	2.268651	0.460515	-3.752668	0.113006	0.829488	-1.302320	0.124366	10.000000	15.000000	0.000000
33	0.451248	0.208822	2.160923	0.480654	-3.824375	0.127291	0.827629	-1.331575	0.124920	10.000000	15.000000	20.000000
34	0.474181	0.206174	2.299907	0.502779	-3.922611	0.120101	0.887753	-1.332531	0.130043	10.000000	15.000000	25.000000
35	0.478750	0.213980	2.237363	0.508634	-3.912004	0.122759	0.866374	-1.364146	0.131884	10.000000	15.000000	30.000000
36	0.469726	0.215385	2.180866	0.499990	-3.952534	0.130346	0.884520	-1.368556	0.131925	10.000000	15.000000	35.000000
37	0.568136	0.245894	2.310495	0.612419	-4.876472	0.090471	0.589405	-1.554881	0.107223	15.000000	15.000000	0.000000
38	0.568923	0.248910	2.285659	0.613960	-4.864594	0.093310	0.594158	-1.541150	0.105518	15.000000	15.000000	0.000000
39	0.554069	0.240349	2.305270	0.597397	-4.803745	0.088756	0.580758	-1.515400	0.106601	15.000000	15.000000	0.000000
40	0.571643	0.251671	2.271387	0.617302	-4.958080	0.095144	0.607059	-1.563339	0.110773	15.000000	15.000000	25.000000
41	0.581566	0.256249	2.269531	0.628072	-5.036183	0.096998	0.617486	-1.593152	0.112100	15.000000	15.000000	30.000000
42	0.587408	0.259284	2.265501	0.6334500	-5.098595	0.098417	0.644475	-1.642008	0.113177	15.000000	15.000000	35.000000

RUN # F7519, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.657449	0.273741	2.401724	0.711425	-5.617814	0.032371	0.114082	-1.614578	0.062311	20.000000	15.000000	0.000000
44	0.660404	0.280655	2.353079	-0.716566	-5.617858	0.131989	-1.707986	0.068859	20.000000	15.000000	15.000000	0.000000
45	0.707777	0.296667	2.385684	0.766562	-6.027724	0.037858	0.112585	-1.730346	0.068117	20.000000	15.000000	20.000000
46	0.718983	0.304837	2.358578	0.779883	-6.210125	0.040547	0.110056	-1.825375	0.072054	20.000000	15.000000	25.000000
47	0.724118	0.308035	2.350763	0.785802	-6.255397	0.041796	0.135066	-1.836388	0.072487	20.000000	15.000000	30.000000
48	0.742215	0.311546	2.382364	0.804009	-6.357812	0.038905	0.146687	-1.898554	0.076106	20.000000	15.000000	35.000000
49	0.747542	0.333339	2.242244	0.818400	-6.453569	-0.013771	-0.372839	-1.811088	0.022612	25.000000	15.000000	0.000000
50	0.783952	0.342149	2.291263	0.855100	-6.764854	-0.021220	-0.386368	-1.903162	0.022255	25.000000	15.000000	15.000000
51	0.814055	0.343701	2.368499	0.883038	-7.060971	-0.032535	-0.431466	-1.978363	0.020614	25.000000	15.000000	20.000000
52	0.845670	0.368939	2.292168	0.922357	-7.277740	-0.023023	-0.419489	-2.041940	0.025757	25.000000	15.000000	25.000000
53	0.860534	0.376514	2.285531	0.939030	-7.457447	-0.022440	-0.427289	-2.114781	0.027175	25.000000	15.000000	30.000000
54	0.868711	0.379413	2.289614	0.947666	-7.574758	-0.023267	-0.433484	-2.155301	0.028007	25.000000	15.000000	35.000000
55	0.846935	0.397335	2.131537	0.932235	-7.238135	-0.079365	-0.845165	-1.923589	-0.018634	30.000000	15.000000	0.000000
56	0.882456	0.411029	2.146943	0.969744	-7.523030	-0.085266	-0.892927	-2.013520	-0.021488	30.000000	15.000000	15.000000
57	0.921105	0.427288	2.155702	0.1011344	-7.821259	-0.090510	-0.935557	-2.093067	-0.023264	30.000000	15.000000	20.000000
58	0.927184	0.426008	2.176446	1.015969	-8.036510	-0.094658	-0.927557	-2.147661	-0.020726	30.000000	15.000000	25.000000
59	0.971091	0.455583	2.131535	1.068781	-8.249984	-0.090999	-0.961032	-2.206722	-0.021883	30.000000	15.000000	30.000000
60	0.965749	0.450032	2.145955	1.061379	-8.532984	-0.093135	-0.991049	-2.278699	-0.020828	30.000000	15.000000	35.000000
61	0.846522	0.462092	1.831936	0.958476	-7.443186	-0.107021	-1.637112	-1.913332	-0.045070	35.000000	15.000000	0.000000
62	0.870527	0.473346	1.839093	0.984594	-7.660000	-0.111571	-1.091977	-1.997234	-0.046088	35.000000	15.000000	15.000000
63	0.914394	0.492280	1.857468	1.031388	-8.032313	-0.121222	-1.150664	-2.098051	-0.048461	35.000000	15.000000	20.000000
64	0.931541	0.500581	1.860921	1.050195	-8.260225	-0.124258	-1.175146	-2.177055	-0.047560	35.000000	15.000000	25.000000
65	1.005233	0.540142	1.861053	1.133252	-8.721437	-0.1344119	-1.219707	-2.278021	-0.047822	35.000000	15.000000	30.000000
66	1.004947	0.536306	1.873833	1.130817	-8.920783	-0.137098	-1.262696	-2.345988	-0.052682	35.000000	15.000000	35.000000
67	0.823477	0.537759	1.531313	0.976485	-7.475828	-0.117373	-1.068419	-1.897368	-0.050879	40.000000	15.000000	0.000000
68	0.803823	0.515393	1.559631	0.947052	-7.64909	-0.121873	-1.090205	-1.950767	-0.049944	40.000000	15.000000	15.000000
69	0.847065	0.554356	1.528018	1.005223	-7.755516	-0.119822	-1.08010	-2.0178708	-0.050100	40.000000	15.000000	20.000000
70	0.815609	0.532189	1.532556	0.966877	-7.732568	-0.116583	-1.080087	-2.017320	-0.047287	40.000000	15.000000	25.000000
71	0.900883	0.580306	1.552429	1.063130	-8.370114	-0.134536	-1.183720	-2.124710	-0.047584	40.000000	15.000000	30.000000
72	0.913559	0.608139	1.502221	1.090731	-8.611062	-0.121362	-1.174284	-2.232518	-0.048378	40.000000	15.000000	35.000000
73	0.758963	0.588951	1.288669	0.953119	-7.546674	-0.120216	-1.042710	-1.888077	-0.048033	45.000000	15.000000	0.000000
74	0.738089	0.560193	1.317562	0.918024	-7.523115	-0.125791	-1.102333	-1.964997	-0.048580	45.000000	15.000000	15.000000
75	0.808753	0.623100	1.297951	1.012473	-7.964608	-0.131276	-1.108629	-2.048437	-0.052117	45.000000	15.000000	20.000000
76	0.809065	0.624621	1.295290	1.013769	-7.955272	-0.130421	-1.119207	-2.073839	-0.050445	45.000000	15.000000	25.000000
77	0.828712	0.637892	1.299142	1.037046	-8.171116	-0.134930	-1.132786	-2.105714	-0.052766	45.000000	15.000000	30.000000
78	0.852911	0.658107	1.296007	1.068451	-8.380219	-0.137747	-1.169941	-2.193581	-0.051342	45.000000	15.000000	35.000000
79	0.714219	0.657500	1.086265	0.962766	-7.618717	-0.124490	-1.061450	-1.963590	-0.049647	50.000000	15.000000	0.000000
80	0.737024	0.680470	1.083111	0.995021	-7.934113	-0.127195	-1.099572	-2.033630	-0.047614	50.000000	15.000000	15.000000
81	0.749615	0.689332	1.087451	1.009902	-7.923213	-0.131144	-1.103678	-2.022579	-0.049831	50.000000	15.000000	20.000000
82	0.755072	0.692189	1.090847	1.015958	-8.041986	-0.133488	-1.129416	-2.076956	-0.052443	50.000000	15.000000	25.000000
83	0.767067	0.700383	1.095211	1.029586	-8.142519	-0.137409	-1.153228	-2.093973	-0.050926	50.000000	15.000000	30.000000
84	0.789909	0.730092	1.081930	1.067027	-8.498767	-0.135810	-1.166915	-2.186570	-0.050547	50.000000	15.000000	35.000000

RUN # F7520, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CIM	CRM	CA	ALPHA	FLAP	PET
1	-0.341224	0.142946	-2.387077	-0.354296	2.630735	0.106496	0.741209	0.699311	0.020134	-6.000000	-15.000000	0.000000
2	-0.340387	0.147383	-2.309546	-0.353928	2.6667251	0.110995	0.734054	0.710663	0.019612	-6.000000	-15.000000	15.000000
3	-0.343654	0.147936	-2.322994	-0.354583	2.6802631	0.111204	0.741589	0.721935	0.019102	-6.000000	-15.000000	20.000000
4	-0.341224	0.145687	-2.342177	-0.355103	2.6439325	0.109221	0.727269	0.706456	0.019443	-6.000000	-15.000000	25.000000
5	-0.341973	0.143537	-2.382469	-0.358527	2.6666823	0.107005	0.740676	0.709257	0.019218	-6.000000	-15.000000	30.000000
6	-0.344997	0.147526	-2.338544	-0.354296	2.630735	0.110656	0.732309	0.701250	0.019179	-6.000000	-15.000000	35.000000
7	-0.239173	0.119722	-1.997734	-0.245111	1.860020	0.107041	0.659059	0.538259	0.022074	-3.000000	-15.000000	0.000000
8	-0.267322	0.115166	-2.321187	-0.272983	2.001359	0.101018	0.666743	0.563624	0.020633	-3.000000	-15.000000	0.000000
9	-0.264658	0.115741	-2.286629	-0.270353	1.963560	0.101732	0.666779	0.561739	0.020926	-3.000000	-15.000000	15.000000
10	-0.262380	0.111106	-2.361539	-0.267835	1.941104	0.097221	0.655085	0.551500	0.020649	-3.000000	-15.000000	20.000000
11	-0.261924	0.116387	-2.350466	-0.267656	1.949946	0.102519	0.659585	0.537233	0.021047	-3.000000	-15.000000	25.000000
12	-0.270436	0.116438	-2.322581	-0.276159	1.964685	0.102124	0.657037	0.544449	0.020715	-3.000000	-15.000000	30.000000
13	-0.159621	0.094295	-1.692788	-0.159621	1.086826	0.094295	0.561190	0.311038	0.026295	0.000000	-15.000000	0.000000
14	-0.163574	0.092266	-1.772861	-0.163574	1.142636	0.092266	0.541585	0.316753	0.025212	0.000000	-15.000000	15.000000
15	-0.160608	0.095245	-1.686257	-0.160608	1.133126	0.095245	0.540770	0.315601	0.022773	0.000000	-15.000000	20.000000
16	-0.161188	0.098156	-1.632184	-0.161188	1.121282	0.098756	0.532093	0.306782	0.025314	0.000000	-15.000000	25.000000
17	-0.160898	0.095019	-1.693325	-0.160898	1.103328	0.0953791	0.533791	0.296335	0.025266	0.000000	-15.000000	30.000000
18	-0.150389	0.095708	-1.571339	-0.150389	1.070017	0.095708	0.520574	0.289078	0.025528	0.000000	-15.000000	35.000000
19	-0.083789	0.078161	-1.069277	-0.079573	0.455929	0.082638	0.480524	0.152705	0.021862	3.000000	-15.000000	0.000000
20	-0.091089	0.085956	-1.059117	-0.086465	0.485578	0.090605	0.469768	0.152853	0.021605	3.000000	-15.000000	15.000000
21	-0.088422	0.081596	-1.083648	-0.08030	0.480470	0.086112	0.477237	0.162060	0.021704	3.000000	-15.000000	20.000000
22	-0.083128	0.083844	-0.991458	-0.078626	0.480609	0.088080	0.463667	0.161465	0.021515	3.000000	-15.000000	25.000000
23	-0.093026	0.079311	-1.172923	-0.088148	0.505009	0.084071	0.490192	0.153228	0.021684	3.000000	-15.000000	30.000000
24	-0.090256	0.082611	-1.092536	-0.085588	0.511117	0.087221	0.484997	0.152833	0.021625	3.000000	-15.000000	35.000000
25	-0.026788	0.081813	-0.327425	-0.018089	-0.028545	0.084165	0.411421	0.062375	0.022215	6.000000	-15.000000	0.000000
26	-0.040272	0.080116	-0.485113	-0.031374	0.032454	0.086770	0.417434	0.071711	0.019287	6.000000	-15.000000	15.000000
27	-0.032535	0.084014	-0.387257	-0.023575	0.04137	0.086955	0.418423	0.071829	0.019354	6.000000	-15.000000	20.000000
28	-0.043674	0.087317	-0.500184	-0.034308	0.107616	0.091404	0.422294	0.090075	0.018976	6.000000	-15.000000	25.000000
29	-0.043077	0.086085	-0.500402	-0.033383	0.106443	0.090116	0.422002	0.088833	0.018814	6.000000	-15.000000	30.000000
30	-0.040510	0.084828	-0.477537	-0.031421	0.11368	0.088598	0.437586	0.089572	0.019112	6.000000	-15.000000	35.000000
31	0.055933	0.079788	0.701018	0.068938	-0.785706	0.068863	0.312273	-0.100558	0.016094	10.000000	-15.000000	0.000000
32	0.054959	0.082546	0.665803	0.068458	-0.748897	0.071748	0.297137	-0.083142	0.015662	10.000000	-15.000000	15.000000
33	0.050185	0.080166	0.626018	0.063344	-0.734572	0.07233	0.315896	-0.082804	0.015797	10.000000	-15.000000	20.000000
34	0.048280	0.080029	0.603283	0.061444	-0.718187	0.070129	0.32045	-0.083048	0.013243	10.000000	-15.000000	25.000000
35	0.043852	0.077846	0.563315	0.056703	-0.691089	0.06049	0.318258	-0.082662	0.012899	10.000000	-15.000000	30.000000
36	0.046192	0.081034	0.570031	0.059561	-0.701991	0.071781	0.325843	-0.083329	0.015763	10.000000	-15.000000	35.000000
37	0.210576	0.102925	2.045916	0.230040	-2.061834	0.044917	0.004055	-0.393046	0.000000	15.000000	-15.000000	0.000000
38	0.222286	0.096898	2.087604	0.220472	-1.990600	0.041241	0.002335	-0.372579	-0.003488	15.000000	-15.000000	15.000000
39	0.187712	0.100829	1.861679	0.207412	-1.921306	0.048810	0.007465	-0.360491	-0.003662	15.000000	-15.000000	20.000000
40	0.187530	0.092117	2.035780	0.204982	-1.916270	0.048810	0.004442	0.036242	-0.003336	15.000000	-15.000000	25.000000
41	0.200251	0.096935	2.065823	0.218516	-1.957033	0.041803	0.027198	-0.368781	-0.003062	15.000000	-15.000000	30.000000
42	0.204510	0.097595	2.095504	0.222801	-2.028916	0.041338	0.013806	-0.393127	-0.003055	15.000000	-15.000000	35.000000

RUN # F7520, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.343237	0.113341	3.028362	0.361302	-3.262824	-0.010888	-0.445155	-0.686901	-0.030983	20.000000-15.000000	0.000000	
44	0.345358	0.116325	2.968917	0.364316	-3.251361	-0.008810	-0.449359	-0.672744	-0.031233	20.000000-15.000000	15.000000	
45	0.339762	0.110621	3.071422	0.357107	-3.255416	-0.012256	-0.423273	-0.665225	-0.030487	20.000000-15.000000	20.000000	
46	0.345496	0.111600	3.095854	0.362830	-3.243017	-0.013297	-0.425728	-0.675051	-0.030623	20.000000-15.000000	25.000000	
47	0.358075	0.117345	3.051470	0.376615	-3.318141	-0.012200	-0.437329	-0.688711	-0.030449	20.000000-15.000000	30.000000	
48	0.352877	0.117900	2.993028	0.371920	-3.260307	-0.009901	-0.425397	-0.687250	-0.027937	20.000000-15.000000	35.000000	
49	0.521254	0.158143	3.296091	0.539251	-4.600321	-0.076965	-1.051301	-0.997308	-0.069840	25.000000-15.000000	0.000000	
50	0.511808	0.160551	3.187814	0.531708	-4.580357	-0.070790	-1.026606	-0.995558	-0.064847	25.000000-15.000000	15.000000	
51	0.532992	0.163599	3.257912	0.552195	-4.679286	-0.076981	-1.063469	-1.11949	-0.065328	25.000000-15.000000	20.000000	
52	0.521982	0.155645	3.353663	0.538855	-4.631130	-0.079536	-1.054589	-1.021294	-0.064939	25.000000-15.000000	25.000000	
53	0.512290	0.159551	3.210819	0.531722	-4.586814	-0.071900	-1.06285	-0.035888	-0.070426	25.000000-15.000000	30.000000	
54	0.536049	0.176076	3.044049	0.560238	-4.739756	-0.066964	-1.079770	-1.045392	-0.069777	25.000000-15.000000	35.000000	
55	0.593933	0.230125	2.580918	0.629423	-5.299881	-0.097672	-1.200097	-1.140443	-0.084001	30.000000-15.000000	0.000000	
56	0.602122	0.240447	2.641677	0.641677	-5.344880	-0.092828	-1.186135	-1.146544	-0.080230	30.000000-15.000000	15.000000	
57	0.607361	0.235886	2.574804	0.643933	-5.400468	-0.091937	-1.219891	-1.17054	-0.086616	30.000000-15.000000	20.000000	
58	0.626021	0.248902	2.515136	0.666601	-5.591589	-0.097455	-1.260201	-1.196078	-0.081733	30.000000-15.000000	25.000000	
59	0.642902	0.249335	2.578468	0.681437	-5.710457	-0.105520	-1.292732	-1.237748	-0.084513	30.000000-15.000000	30.000000	
60	0.664315	0.255296	2.602130	0.702962	-5.823254	-0.111064	-1.335151	-1.277383	-0.084562	30.000000-15.000000	35.000000	
61	0.636955	0.321352	1.982110	0.706083	-5.931231	-0.102106	-1.240719	-1.267338	-0.074932	35.000000-15.000000	0.000000	
62	0.677143	0.336833	2.010323	0.747882	-6.022455	-0.112476	-1.294475	-1.304042	-0.078935	35.000000-15.000000	15.000000	
63	0.680727	0.341945	1.990751	0.753750	-6.112202	-0.110344	-1.326619	-1.331913	-0.080186	35.000000-15.000000	20.000000	
64	0.700067	0.349408	2.003579	0.773873	-6.396175	-0.115323	-1.412927	-1.396754	-0.084861	35.000000-15.000000	25.000000	
65	0.742829	0.364289	2.039121	0.817437	-6.617525	-0.127661	-1.482776	-1.414424	-0.089214	35.000000-15.000000	30.000000	
66	0.746238	0.364453	2.0417555	0.820325	-6.776910	-0.129482	-1.536259	-1.511144	-0.091598	35.000000-15.000000	35.000000	
67	0.660507	0.393279	1.670990	0.760058	-6.119505	-0.121764	-1.852164	-1.383094	-0.403025	40.000000-15.000000	0.000000	
68	0.696655	0.420140	1.651448	0.8074729	-6.415560	-0.125994	-1.935403	-1.462156	-0.408208	40.000000-15.000000	15.000000	
69	0.722733	0.429290	1.683545	0.829500	-6.677363	-0.135106	-2.006438	-1.521921	-0.409182	40.000000-15.000000	20.000000	
70	0.751669	0.451789	1.686154	0.8623360	-6.869189	-0.141669	-2.052773	-1.573733	-0.409027	40.000000-15.000000	25.000000	
71	0.790305	0.466594	1.699376	0.905329	-7.225186	-0.150566	-2.159320	-1.653963	-0.414867	40.000000-15.000000	30.000000	
72	0.819108	0.482206	1.699669	0.937429	-7.477410	-0.157121	-2.243851	-1.736198	-0.421240	40.000000-15.000000	35.000000	
73	0.672944	0.335764	2.004216	0.713264	-5.814041	-0.238422	-2.917409	-1.377424	-0.720699	45.000000-15.000000	0.000000	
74	0.711209	0.367668	1.933379	0.762882	-6.098453	-0.242920	-2.977218	-1.429331	-0.722085	45.000000-15.000000	15.000000	
75	0.725260	0.370216	1.955020	0.774618	-6.219574	-0.251054	-2.989334	-1.465185	-0.727824	45.000000-15.000000	20.000000	
76	0.750968	0.383331	1.966081	0.801929	-6.508117	-0.260099	-3.074601	-1.530768	-0.727649	45.000000-15.000000	25.000000	
77	0.789862	0.414073	1.907544	0.885131	-6.755613	-0.265723	-3.135337	-1.589335	-0.727380	45.000000-15.000000	30.000000	
78	0.804530	0.411702	1.954158	0.866006	-6.977969	-0.277771	-3.234612	-1.646581	-0.741855	45.000000-15.000000	35.000000	
79	0.646228	0.305787	2.113328	0.649634	-5.331114	-0.298483	-4.593621	-1.297766	-1.542834	50.000000-15.000000	0.000000	
80	0.662971	0.32523	2.03256	0.674538	-5.492981	-0.298687	-4.543689	-1.317082	-1.513294	50.000000-15.000000	15.000000	
81	0.662191	0.313597	2.111599	0.665691	-5.51538	-0.305691	-4.51230	-1.331493	-1.500141	50.000000-15.000000	20.000000	
82	0.683390	0.349316	1.952207	0.705316	-5.693163	-0.297619	-4.529100	-1.374561	-1.491561	50.000000-15.000000	25.000000	
83	0.683544	0.334014	2.051811	0.696600	-5.719035	-0.310303	-4.521596	-1.403551	-1.485594	50.000000-15.000000	30.000000	
84	0.710556	0.361015	1.968492	0.733355	-5.889198	-0.312337	-4.567152	-1.441207	-1.487776	50.000000-15.000000	35.000000	

RUN # E7521, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	P-JET
1	-0.2229492	0.106261	-2.159698	-0.239343	1.791324	0.081691	0.623782	0.402096	0.023878	-6.000000	-10.000000	0.000000
2	-0.243090	0.101525	-2.394385	-0.252371	1.880320	0.075559	0.612108	0.417321	0.022575	-6.000000	-10.000000	15.000000
3	-0.236694	0.101772	-2.325728	-0.246036	1.846193	0.076473	0.608162	0.419902	0.024927	-6.000000	-10.000000	20.000000
4	-0.240585	0.100643	-2.390479	-0.249787	1.892436	0.074944	0.613780	0.423381	0.022347	-6.000000	-10.000000	25.000000
5	-0.234158	0.103204	-2.268875	-0.243663	1.862034	0.078163	0.592175	0.435256	0.021981	-6.000000	-10.000000	30.000000
6	-0.246347	0.104791	-2.350847	-0.255951	1.905424	0.078466	0.605422	0.427590	0.024329	-6.000000	-10.000000	35.000000
7	-0.153701	0.083456	-1.841690	-0.157858	1.118088	0.075298	0.529494	0.241091	0.026977	-3.000000	-10.000000	0.000000
8	-0.168592	0.087803	-1.920130	-0.171557	1.211352	0.078859	0.521898	0.256216	0.025854	-3.000000	-10.000000	15.000000
9	-0.166259	0.090140	-1.844445	-0.170749	1.222764	0.081316	0.511831	0.266042	0.025771	-3.000000	-10.000000	20.000000
10	-0.158281	0.086627	-1.942605	-0.172585	1.235804	0.077701	0.530032	0.268889	0.026162	-3.000000	-10.000000	25.000000
11	-0.169663	0.088661	-1.913617	-0.174071	1.238537	0.079660	0.528161	0.264416	0.025728	-3.000000	-10.000000	30.000000
12	-0.163048	0.085093	-1.916116	-0.167278	1.223977	0.076443	0.532777	0.264728	0.025935	-3.000000	-10.000000	35.000000
13	-0.073324	0.068097	-1.076759	-0.073324	0.489546	0.068097	0.441097	0.081191	0.027814	0.000000	-10.000000	0.000000
14	-0.08574	0.072538	-1.185231	-0.085974	0.572144	0.072538	0.439409	0.097098	0.027191	0.000000	-10.000000	15.000000
15	-0.085169	0.069956	-1.217466	-0.085169	0.583045	0.069956	0.449615	0.114635	0.027189	0.000000	-10.000000	20.000000
16	-0.089036	0.061108	-1.346838	-0.089036	0.588344	0.061108	0.444428	0.113620	0.029162	0.000000	-10.000000	25.000000
17	-0.086697	0.074772	-1.159486	-0.086697	0.583018	0.074772	0.435652	0.113570	0.029286	0.000000	-10.000000	30.000000
18	-0.088610	0.074693	-1.186325	-0.088610	0.600175	0.074693	0.440651	0.113447	0.029210	0.000000	-10.000000	35.000000
19	-0.007818	0.064109	-0.121950	-0.004452	-0.044621	0.064431	0.361991	-0.036517	0.028222	3.000000	-10.000000	0.000000
20	-0.022928	0.063108	-0.053317	-0.019594	0.030500	0.064221	0.366299	-0.018635	0.027565	3.000000	-10.000000	15.000000
21	-0.027508	0.063095	-0.435981	-0.024169	0.053977	0.064448	0.384118	-0.027651	0.027741	3.000000	-10.000000	20.000000
22	-0.024783	0.069359	-0.357319	-0.021119	0.060796	0.070561	0.373994	-0.027790	0.027615	3.000000	-10.000000	25.000000
23	-0.022629	0.065291	-0.346750	-0.019183	0.043073	0.066356	0.382295	-0.009795	0.027864	3.000000	-10.000000	30.000000
24	-0.026906	0.067700	-0.397427	-0.023326	0.065752	0.069015	0.380263	-0.009730	0.027511	3.000000	-10.000000	35.000000
25	0.061786	0.066590	0.927851	0.068408	-0.695435	0.059767	0.297458	-0.188008	0.027264	6.000000	-10.000000	0.000000
26	0.056193	0.068119	0.824564	0.063009	-0.622841	0.061902	0.301642	-0.170405	0.027012	6.000000	-10.000000	15.000000
27	0.052084	0.065468	0.795564	0.058642	-0.606720	0.059655	0.325413	-0.170481	0.029554	6.000000	-10.000000	20.000000
28	0.061417	0.068834	0.892257	0.068216	-0.632226	0.062037	0.322012	-0.171042	0.029843	6.000000	-10.000000	25.000000
29	0.057995	0.072684	0.797905	0.065215	-0.620967	0.066224	0.311371	-0.187856	0.029581	6.000000	-10.000000	30.000000
30	0.058155	0.068915	0.843862	0.065040	-0.617729	0.062459	0.324381	-0.177994	0.029609	6.000000	-10.000000	35.000000
31	0.163680	0.074931	2.184415	0.174205	-1.568831	0.045370	0.151079	-0.406047	0.019046	10.000000	-10.000000	0.000000
32	0.166196	0.075006	2.215776	0.176696	-1.543097	0.045007	0.172391	-0.395595	0.019266	10.000000	-10.000000	15.000000
33	0.167701	0.074443	2.252758	0.178080	-1.539500	0.044191	0.171418	-0.377939	0.021742	10.000000	-10.000000	20.000000
34	0.163467	0.072542	2.253417	0.173580	-1.515276	0.043054	0.180165	-0.397788	0.021650	10.000000	-10.000000	25.000000
35	0.174029	0.074367	2.340137	0.184299	-1.580314	0.043017	0.180226	-0.406739	0.022216	10.000000	-10.000000	30.000000
36	0.171951	0.077830	2.209320	0.182854	-1.585084	0.046789	0.183254	-0.427612	0.022408	10.000000	-10.000000	35.000000
37	0.337128	0.095561	3.527879	0.350373	-2.931684	0.005050	-0.194624	-0.701199	0.002859	15.000000	-10.000000	0.000000
38	0.318275	0.090349	3.522715	0.330814	-2.804167	0.004895	-0.171351	-0.678294	0.002305	15.000000	-10.000000	15.000000
39	0.311470	0.090823	3.429432	0.324364	-2.792191	0.007114	-0.167837	-0.674694	0.004660	15.000000	-10.000000	20.000000
40	0.326234	0.097087	3.360211	0.340246	-2.855207	0.009344	-0.174088	-0.683573	0.005221	15.000000	-10.000000	25.000000
41	0.322563	0.091144	3.436891	0.3336904	-2.843983	0.007192	-0.161353	-0.700438	0.003305	15.000000	-10.000000	30.000000
42	0.324490	0.100175	3.241218	0.339553	-2.853608	0.012726	-0.159798	-0.706088	0.005642	15.000000	-10.000000	35.000000

RUN # F7521, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.485446	0.141121	3.439930	0.504436	-4.291040	-0.033422	-0.686783	-1.029658	-0.028958	20.000000	-10.000000	0.000000
44	0.479004	0.137134	3.449249	0.497019	-4.155681	-0.660167	-1.02957	-0.028955	20.000000	-10.000000	15.000000	
45	0.481762	0.135566	3.575836	0.501994	-4.216588	-0.038008	-0.663148	-1.029535	-0.029653	20.000000	-10.000000	20.000000
46	0.483876	0.136759	3.538169	0.501469	-4.167886	-0.036384	-0.650561	-1.02865	-0.029387	20.000000	-10.000000	25.000000
47	0.481341	0.135434	3.554050	0.498654	-4.204174	-0.037561	-0.650522	-1.032652	-0.027109	20.000000	-10.000000	30.000000
48	0.492423	0.135827	3.625331	0.509182	-4.250534	-0.040183	-0.645938	-1.030187	-0.029140	20.000000	-10.000000	35.000000
49	0.634287	0.179148	3.540576	0.650570	-5.536736	-0.105698	-1.219246	-1.344445	-0.065318	25.000000	-10.000000	0.000000
50	0.634409	0.186716	3.396639	0.653905	-5.472378	-0.098836	-1.216534	-1.329801	-0.065560	25.000000	-10.000000	15.000000
51	0.631035	0.188166	3.369554	0.654154	-5.520450	-0.097418	-1.221644	-1.341012	-0.062409	25.000000	-10.000000	20.000000
52	0.653708	0.197886	3.303457	0.676091	-5.633294	-0.096923	-1.252256	-1.371198	-0.062636	25.000000	-10.000000	25.000000
53	0.654905	0.192933	3.393590	0.675104	-5.612581	-0.101873	-1.231642	-1.369550	-0.064466	25.000000	-10.000000	30.000000
54	0.656159	0.196681	3.339557	0.677718	-5.666525	-0.099212	-1.234379	-1.390306	-0.064761	25.000000	-10.000000	35.000000
55	0.680997	0.259681	2.622434	0.719601	-5.989206	-0.115603	-1.321061	-1.404519	-0.074847	30.000000	-10.000000	0.000000
56	0.707759	0.273754	2.585389	0.749814	-6.121361	-0.116802	-1.359023	-1.429785	-0.075404	30.000000	-10.000000	15.000000
57	0.721940	0.275868	2.616977	0.763152	-6.239757	-0.122061	-1.383506	-1.468195	-0.075686	30.000000	-10.000000	20.000000
58	0.717546	0.276514	2.594970	0.759670	-6.219350	-0.119304	-1.387722	-1.469382	-0.074192	30.000000	-10.000000	25.000000
59	0.748923	0.288926	2.592092	0.793049	-6.437119	-0.124244	-1.439753	-1.525343	-0.074624	30.000000	-10.000000	30.000000
60	0.750568	0.281621	2.6665167	0.790822	-6.554536	-0.1313392	-1.450826	-1.565849	-0.076338	30.000000	-10.000000	35.000000
61	0.725938	0.359699	2.018182	0.800969	-6.538320	-0.121732	-1.323054	-1.538592	-0.066384	35.000000	-10.000000	0.000000
62	0.749686	0.367019	2.042632	0.824620	-6.757816	-0.129357	-1.377195	-1.593764	-0.07122	35.000000	-10.000000	15.000000
63	0.769524	0.373992	2.057596	0.844870	-6.848239	-0.135024	-1.423694	-1.622250	-0.073463	35.000000	-10.000000	20.000000
64	0.807862	0.394302	2.048842	0.887924	-7.124162	-0.140377	-1.494982	-1.690204	-0.077868	35.000000	-10.000000	25.000000
65	0.814467	0.391236	2.081778	0.881577	-7.232211	-0.146677	-1.539001	-1.723097	-0.077226	35.000000	-10.000000	30.000000
66	0.837442	0.408312	2.050940	0.920176	-7.429612	-0.145856	-1.610120	-1.775934	-0.081796	35.000000	-10.000000	35.000000
67	0.713771	0.442332	1.613653	0.831106	-6.623140	-0.119957	-1.297295	-1.562938	-0.057261	40.000000	-10.000000	0.000000
68	0.741519	0.452922	1.626418	0.861098	-6.959445	-0.127383	-1.372482	-1.648523	-0.061535	40.000000	-10.000000	15.000000
69	0.764863	0.461561	1.657123	0.882604	-7.015983	-0.138068	-1.401779	-1.668092	-0.063795	40.000000	-10.000000	20.000000
70	0.797328	0.475742	1.675967	0.916590	-7.403065	-0.148072	-1.499626	-1.760987	-0.071722	40.000000	-10.000000	25.000000
71	0.825003	0.494775	1.667431	0.950024	-7.674773	-0.151282	-1.578386	-1.834696	-0.075497	40.000000	-10.000000	30.000000
72	0.847158	0.494388	1.713351	0.966747	-7.866301	-0.165819	-1.637472	-1.880646	-0.077465	40.000000	-10.000000	35.000000
73	0.649574	0.486269	1.335832	0.803162	-6.547059	-0.115473	-1.191592	-1.601843	-0.048107	45.000000	-10.000000	0.000000
74	0.685758	0.529355	1.295460	0.859215	-6.822636	-0.110593	-1.222906	-1.612663	-0.046538	45.000000	-10.000000	15.000000
75	0.701773	0.539365	1.301111	0.877611	-6.954056	-0.114840	-1.256511	-1.651400	-0.049163	45.000000	-10.000000	20.000000
76	0.736180	0.548485	1.342206	0.908396	-7.277334	-0.132720	-1.341057	-1.744546	-0.054724	45.000000	-10.000000	25.000000
77	0.757964	0.574681	1.318930	0.942322	-7.490287	-0.129600	-1.385350	-1.817583	-0.056111	45.000000	-10.000000	30.000000
78	0.782558	0.592368	1.321068	0.972219	-7.773499	-0.134484	-1.4333900	-1.851102	-0.055082	45.000000	-10.000000	35.000000
79	0.599847	0.555083	1.080642	0.810793	-6.584518	-0.102708	-1.157500	-1.632483	-0.036232	50.000000	-10.000000	0.000000
80	0.619250	0.566971	1.092209	0.832371	-6.684842	-0.109931	-1.177358	-1.648834	-0.035345	50.000000	-10.000000	15.000000
81	0.616816	0.565734	1.090294	0.829859	-6.714556	-0.108861	-1.177358	-1.666545	-0.037808	50.000000	-10.000000	20.000000
82	0.641398	0.588481	1.089921	0.863085	-6.948400	-0.113070	-1.226952	-1.717643	-0.039566	50.000000	-10.000000	25.000000
83	0.659675	0.613128	1.075917	0.8593715	-7.045636	-0.111229	-1.233841	-1.726279	-0.035560	50.000000	-10.000000	30.000000
84	0.669025	0.615911	1.086237	0.901856	-7.206475	-0.116603	-1.268846	-1.773292	-0.037765	50.000000	-10.000000	35.000000

RUN # F7522, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.188933	0.093808	-2.014041	-0.197703	1.488601	0.073545	0.562756	0.301570	0.030208	-6.000000	-5.000000	0.000000
2	-0.196563	0.094311	-2.084191	-0.205344	1.543905	0.073248	0.555233	0.3118795	0.032032	-6.000000	-5.000000	15.000000
3	-0.204001	0.101431	-2.011233	-0.213486	1.571290	0.079551	0.555021	0.326355	0.029227	-6.000000	-5.000000	20.000000
4	-0.199510	0.102769	-1.941133	-0.209159	1.582057	0.081352	0.545410	0.324393	0.028893	-6.000000	-5.000000	25.000000
5	-0.203289	0.096948	-2.096895	-0.212309	1.580787	0.075167	0.557123	0.321937	0.028690	-6.000000	-5.000000	30.000000
6	-0.205188	0.097816	-2.097706	-0.214289	1.595491	0.075832	0.567851	0.324924	0.029056	-6.000000	-5.000000	35.000000
7	-0.107441	0.082226	-1.306643	-0.111597	0.783950	0.076491	0.501582	0.116142	0.029434	-3.000000	-5.000000	0.000000
8	-0.127763	0.080637	-1.584426	-0.131809	0.915752	0.073840	0.504401	0.144584	0.028510	-3.000000	-5.000000	15.000000
9	-0.123819	0.089444	-1.522667	-0.127885	0.931498	0.074353	0.520049	0.143557	0.028584	-3.000000	-5.000000	20.000000
10	-0.126554	0.080184	-1.575797	-0.130378	0.953803	0.073462	0.530936	0.153271	0.028689	-3.000000	-5.000000	25.000000
11	-0.125414	0.085399	-1.469259	-0.129771	0.949467	0.078715	0.518417	0.152553	0.031030	-3.000000	-5.000000	30.000000
12	-0.1288637	0.082407	-1.566995	-0.132774	0.947799	0.075562	0.506661	0.150586	0.027874	-3.000000	-5.000000	35.000000
13	-0.041692	0.061245	-0.618959	-0.041692	0.256853	0.064245	0.415421	-0.10046	0.029506	0.000000	-5.000000	0.000000
14	-0.054318	0.068496	-0.793005	-0.054318	0.340441	0.068496	0.423925	0.008007	0.029026	0.000000	-5.000000	15.000000
15	-0.048638	0.067027	-0.726560	-0.048638	0.352826	0.067027	0.425381	0.007938	0.031371	0.000000	-5.000000	20.000000
16	-0.057527	0.071236	-0.805549	-0.057527	0.385564	0.071236	0.416455	0.007893	0.030888	0.000000	-5.000000	25.000000
17	-0.058227	0.072758	-0.800282	-0.058227	0.375293	0.072758	0.421372	0.007944	0.031235	0.000000	-5.000000	30.000000
18	-0.055492	0.072555	-0.764825	-0.055492	0.381490	0.072555	0.431356	-0.001104	0.031321	0.000000	-5.000000	35.000000
19	0.036353	0.061389	0.564585	0.039673	-0.410326	0.062398	0.352677	-0.192540	0.031441	0.000000	-5.000000	0.000000
20	0.023435	0.061948	0.378294	0.026645	-0.323515	0.060637	0.375530	-0.173004	0.033433	0.000000	-5.000000	15.000000
21	0.023844	0.063386	0.376174	0.027129	-0.295581	0.062051	0.375699	-0.162086	0.033020	0.000000	-5.000000	20.000000
22	0.020996	0.067028	0.312248	0.024475	-0.301794	0.065837	0.379830	-0.172204	0.033371	0.000000	-5.000000	25.000000
23	0.020916	0.068838	0.303849	0.024490	-0.302409	0.067649	0.376994	-0.162425	0.033254	0.000000	-5.000000	30.000000
24	0.023261	0.067574	0.344229	0.026766	-0.293344	0.0666364	0.383808	-0.179348	0.033166	0.000000	-5.000000	35.000000
25	0.113017	0.068603	1.647424	0.119569	-1.074958	0.056413	0.284392	-0.338579	0.032973	0.000000	-5.000000	0.000000
26	0.115033	0.071951	1.598767	0.121294	-1.062109	0.059533	0.290579	-0.337555	0.033060	0.000000	-5.000000	15.000000
27	0.120114	0.072431	1.658139	0.127028	-1.062130	0.126134	0.337516	0.033198	0.000000	-5.000000	20.000000	25.000000
28	0.119294	0.072012	1.655205	0.126174	-1.056020	0.059207	0.294994	-0.344647	0.035527	0.000000	-5.000000	30.000000
29	0.121623	0.076052	1.599218	0.128906	-1.065228	0.062922	0.303817	-0.364523	0.035971	0.000000	-5.000000	35.000000
30	0.119941	0.071468	1.678236	0.126754	-1.048717	0.058540	0.308270	-0.358463	0.035461	0.000000	-5.000000	35.000000
31	0.225550	0.080853	2.789626	0.236163	-2.027152	0.040458	0.114697	-0.570565	0.024671	10.000000	-5.000000	0.000000
32	0.228309	0.081705	2.794324	0.239028	-1.988186	0.040818	0.132045	-0.545575	0.024704	10.000000	-5.000000	15.000000
33	0.227348	0.076261	2.981169	0.237136	-1.985952	0.035624	0.141160	-0.551535	0.024807	10.000000	-5.000000	20.000000
34	0.229193	0.078720	2.9111505	0.239381	-1.958573	0.037725	0.148445	-0.549615	0.024756	10.000000	-5.000000	25.000000
35	0.228141	0.079499	2.869729	0.238480	-1.951211	0.038675	0.150506	-0.547559	0.027272	10.000000	-5.000000	30.000000
36	0.221666	0.081991	2.703542	0.232536	-1.961155	0.042253	0.164340	-0.551385	0.027665	10.000000	-5.000000	35.000000
37	0.358875	0.101338	3.541368	0.372875	-3.245347	0.005001	-0.217455	-0.860677	0.007255	15.000000	-5.000000	0.000000
38	0.360278	0.100448	3.586715	0.373999	-3.204072	0.003778	-0.205402	-0.851496	0.007007	15.000000	-5.000000	15.000000
39	0.371133	0.099689	3.722891	0.384288	-3.230852	0.000236	-0.206213	-0.838530	0.007276	15.000000	-5.000000	20.000000
40	0.380923	0.102186	3.727739	0.394391	-3.286953	0.00114	-0.212617	-0.831276	0.007625	15.000000	-5.000000	25.000000
41	0.380855	0.103272	3.687891	0.394607	-3.305857	0.001180	-0.193082	-0.842057	0.010677	15.000000	-5.000000	30.000000
42	0.374272	0.103918	3.601623	0.388415	-3.251873	0.003508	-0.176782	-0.8511890	0.010576	15.000000	-5.000000	35.000000

RUN # F7522, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.537077	0.142901	3.758390	0.5531562	-4.607108	-0.049408	-0.715020	-1.152248	-0.028182	20.000000	-5.000000	0.000000
44	0.531027	0.146980	3.614680	0.569247	-4.585903	-0.043573	-0.711612	-1.148373	-0.025416	20.000000	-5.000000	15.000000
45	0.526901	0.142433	3.699286	0.543840	-4.550140	-0.046367	-0.700221	-1.150348	-0.023473	20.000000	-5.000000	20.000000
46	0.548056	0.147356	3.719259	0.56403	-4.593154	-0.048977	-0.695400	-1.143772	-0.023023	20.000000	-5.000000	25.000000
47	0.522228	0.148583	3.582028	0.550949	-4.553975	-0.042410	-0.681796	-1.131680	-0.022165	20.000000	-5.000000	30.000000
48	0.538125	0.148796	3.616527	0.555653	-4.631202	-0.044227	-0.688957	-1.148975	-0.022454	20.000000	-5.000000	35.000000
49	0.687733	0.200211	3.415044	0.707911	-5.886835	-0.109196	-1.269886	-1.440586	-0.061944	25.000000	-5.000000	0.000000
50	0.691271	0.204265	3.384191	0.712830	-5.848113	-0.101017	-1.255039	-1.512527	-0.061972	25.000000	-5.000000	15.000000
51	0.702263	0.206568	3.399665	0.723166	-5.980478	-0.109574	-1.250178	-1.473887	-0.061057	25.000000	-5.000000	20.000000
52	0.689571	0.209280	3.299967	0.713009	-5.862210	-0.101753	-1.228686	-1.454621	-0.058187	25.000000	-5.000000	25.000000
53	0.703585	0.216008	3.257720	0.728953	-5.997550	-0.101578	-1.250163	-1.488264	-0.058319	25.000000	-5.000000	30.000000
54	0.701342	0.206428	3.397518	0.722871	-5.995557	-0.109313	-1.237591	-1.505544	-0.060887	25.000000	-5.000000	35.000000
55	0.744598	0.293160	2.533904	0.791421	-6.365228	-0.118415	-1.330404	-1.535604	-0.069032	30.000000	-5.000000	0.000000
56	0.743072	0.286785	2.591044	0.786911	-6.403604	-0.123173	-1.351605	-1.512168	-0.070648	30.000000	-5.000000	15.000000
57	0.754974	0.293415	2.572230	0.800534	-6.479883	-0.123330	-1.331020	-1.547779	-0.068450	30.000000	-5.000000	20.000000
58	0.767909	0.294002	2.611120	0.812030	-6.580334	-0.123341	-1.360653	-1.595477	-0.069849	30.000000	-5.000000	25.000000
59	0.782666	0.306885	2.550294	0.831234	-6.721688	-0.125553	-1.410365	-1.623147	-0.072043	30.000000	-5.000000	30.000000
60	0.801559	0.311035	2.577068	0.849988	-6.904942	-0.131415	-1.469805	-1.688584	-0.072371	30.000000	-5.000000	35.000000
61	0.760702	0.378839	2.007984	0.840424	-6.802141	-0.125994	-1.310638	-1.610280	-0.060025	35.000000	-5.000000	0.000000
62	0.796465	0.395288	2.014901	0.879154	-7.040522	-0.133033	-1.376660	-1.690115	-0.065537	35.000000	-5.000000	15.000000
63	0.830312	0.407888	2.035985	0.914067	-7.222155	-0.142182	-1.421987	-1.735616	-0.068881	35.000000	-5.000000	20.000000
64	0.830109	0.400906	2.070584	0.907056	-7.335593	-0.147728	-1.465116	-1.776274	-0.071877	35.000000	-5.000000	25.000000
65	0.864917	0.420032	2.059169	0.949419	-7.578138	-0.152025	-1.529088	-1.845452	-0.073846	35.000000	-5.000000	30.000000
66	0.862930	0.413645	2.086162	0.944128	-7.656444	-0.156118	-1.576352	-1.879554	-0.076221	35.000000	-5.000000	35.000000
67	0.726115	0.453210	1.602314	0.847608	-6.798870	-0.119603	-1.218665	-1.623189	-0.047500	40.000000	-5.000000	0.000000
68	0.782130	0.483020	1.619248	0.909626	-7.186666	-0.132278	-1.360084	-1.731201	-0.05785	40.000000	-5.000000	15.000000
69	0.806891	0.491955	1.640173	0.934337	-7.460585	-0.141800	-1.424002	-1.799185	-0.059117	40.000000	-5.000000	20.000000
70	0.826308	0.497055	1.662409	0.952489	-7.628774	-0.150374	-1.477439	-1.855006	-0.064147	40.000000	-5.000000	25.000000
71	0.862924	0.520656	1.657381	0.995709	-7.904212	-0.155831	-1.543070	-1.913519	-0.064436	40.000000	-5.000000	30.000000
72	0.876750	0.528081	1.660256	1.011074	-8.143549	-0.159030	-1.630316	-1.985901	-0.073880	40.000000	-5.000000	35.000000
73	0.691510	0.530503	1.303499	0.864094	-6.859980	-0.113849	-1.155850	-1.688449	-0.039681	45.000000	-5.000000	0.000000
74	0.702999	0.541816	1.297488	0.880217	-6.970551	-0.113974	-1.177105	-1.722691	-0.042048	45.000000	-5.000000	15.000000
75	0.752549	0.570917	1.318140	0.935832	-7.244994	-0.128432	-1.248402	-1.783934	-0.045011	45.000000	-5.000000	20.000000
76	0.753546	0.571654	1.318185	0.937058	-7.449092	-0.128616	-1.286060	-1.820876	-0.045213	45.000000	-5.000000	25.000000
77	0.787886	0.593817	1.326816	0.977011	-7.682369	-0.137227	-1.339032	-1.886301	-0.046951	45.000000	-5.000000	30.000000
78	0.805972	0.610069	1.321117	1.001292	-7.900039	-0.138524	-1.374954	-1.949879	-0.048198	45.000000	-5.000000	35.000000
79	0.631473	0.587641	1.074591	0.856062	-6.797376	-0.106008	-1.120168	-1.706750	-0.030916	50.000000	-5.000000	0.000000
80	0.635136	0.592923	1.071155	0.862479	-6.847596	-0.104546	-1.125346	-1.711293	-0.028994	50.000000	-5.000000	15.000000
81	0.652724	0.611517	1.067384	0.880802	-6.974223	-0.106939	-1.156785	-1.739074	-0.031389	50.000000	-5.000000	20.000000
82	0.653468	0.599295	1.090394	0.8879128	-7.050875	-0.115365	-1.146364	-1.756564	-0.033195	50.000000	-5.000000	25.000000
83	0.668868	0.622049	1.075266	0.906457	-7.203256	-0.112537	-1.178362	-1.800100	-0.029663	50.000000	-5.000000	30.000000
84	0.690251	0.641520	1.075962	0.935118	-7.335827	-0.116401	-1.212599	-1.831177	-0.034081	50.000000	-5.000000	35.000000

RUN # F7523, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.148831	0.0846667	-1.757834	-0.156866	1.160778	0.068646	0.564669	0.170647	0.034880	-6.000000	0.000000	0.000000
2	-0.161759	0.086164	-1.877336	-0.169880	1.263818	0.068784	0.578227	0.207947	0.034458	-6.000000	0.000000	15.000000
3	-0.164802	0.083538	-1.972886	-0.172632	1.274012	0.065854	0.590070	0.196723	0.036643	-6.000000	0.000000	20.000000
4	-0.169760	0.086754	-1.956796	-0.177898	1.276213	0.068534	0.579794	0.185659	0.036064	-6.000000	0.000000	25.000000
5	-0.164520	0.091849	-1.791194	-0.173219	1.282254	0.074149	0.570806	0.204159	0.033703	-6.000000	0.000000	30.000000
6	-0.155990	0.082262	-1.896275	-0.163735	1.276889	0.065505	0.564484	0.213641	0.033596	-6.000000	0.000000	35.000000
7	-0.072209	0.070241	-1.028029	-0.075787	0.533421	0.065365	0.483217	0.016703	0.035624	-3.000000	0.000000	0.000000
8	-0.085574	0.080525	-1.062707	-0.089671	0.645382	0.075336	0.492083	0.052300	0.035084	-3.000000	0.000000	15.000000
9	-0.085734	0.073754	-1.162428	-0.089476	0.645223	0.069166	0.504888	0.061195	0.035124	-3.000000	0.000000	20.000000
10	-0.087552	0.074843	-1.169817	-0.091349	0.662216	0.070158	0.506427	0.061083	0.034993	-3.000000	0.000000	25.000000
11	-0.083847	0.077202	-1.086073	-0.087772	0.662536	0.072208	0.5197389	0.060435	0.034632	-3.000000	0.000000	30.000000
12	-0.087613	0.077137	-1.135808	-0.091530	0.663412	0.072446	0.512020	0.061183	0.035199	-3.000000	0.000000	35.000000
13	-0.002888	0.071079	-0.040637	-0.028888	-0.119089	0.071079	0.425065	-0.136322	0.037771	0.000000	0.000000	0.000000
14	-0.05951	0.071999	-0.082655	-0.005951	-0.056548	0.071999	0.428143	-0.116462	0.036956	0.000000	0.000000	15.000000
15	-0.012287	0.069221	-0.177509	-0.012287	-0.015641	0.069221	0.411330	-0.108442	0.039475	0.000000	0.000000	20.000000
16	-0.013138	0.071766	-0.183068	-0.013138	0.039711	0.071766	0.426405	-0.107183	0.036064	0.000000	0.000000	25.000000
17	-0.010907	0.074392	-0.146615	-0.010907	0.034661	0.074392	0.44516	-0.108062	0.039223	0.000000	0.000000	30.000000
18	-0.013623	0.073923	-0.184292	-0.013623	0.027326	0.073923	0.448142	-0.116175	0.039071	0.000000	0.000000	35.000000
19	0.095065	0.066478	1.430022	0.098414	-0.872561	0.061412	0.368081	-0.345675	0.040411	3.000000	0.000000	0.000000
20	0.085946	0.067736	1.268830	0.089373	-0.806789	0.063145	0.375632	-0.334319	0.039866	3.000000	0.000000	15.000000
21	0.085976	0.065145	1.319779	0.089268	-0.790338	0.060756	0.391515	-0.322764	0.042345	3.000000	0.000000	20.000000
22	0.092955	0.064388	1.443665	0.096198	-0.806335	0.059435	0.400355	-0.341692	0.042655	3.000000	0.000000	25.000000
23	0.088082	0.065219	1.350555	0.091375	-0.809169	0.060520	0.402935	-0.333098	0.042730	3.000000	0.000000	30.000000
24	0.086150	0.071143	1.210935	0.089755	-0.747168	0.066537	0.402885	-0.321602	0.044692	3.000000	0.000000	35.000000
25	0.180340	0.068873	2.618447	0.186551	-1.583141	0.049645	0.280583	-0.512953	0.041642	6.000000	0.000000	0.000000
26	0.179723	0.065540	2.700960	0.185694	-1.543085	0.047390	0.304020	-0.505091	0.041773	6.000000	0.000000	15.000000
27	0.184163	0.069439	2.652158	0.190412	-1.600207	0.049808	0.299434	-0.507668	0.044828	6.000000	0.000000	20.000000
28	0.177384	0.066503	2.667317	0.183334	-1.555769	0.047597	0.3223398	-0.524986	0.044753	6.000000	0.000000	25.000000
29	0.182449	0.070833	2.575775	0.18854	-1.605051	0.051374	0.321045	-0.538881	0.044926	6.000000	0.000000	30.000000
30	0.185346	0.070327	2.628003	0.191703	-1.599829	0.050767	0.328876	-0.533010	0.045297	6.000000	0.000000	35.000000
31	0.292930	0.079153	3.691483	0.302259	-2.593513	0.027281	0.121948	-0.760693	0.034001	10.000000	0.000000	0.000000
32	0.287865	0.079194	3.631930	0.291243	-2.500590	0.028004	0.140040	-0.737253	0.036078	10.000000	0.000000	15.000000
33	0.291446	0.080206	3.633731	0.300946	-2.51040	0.028378	0.135731	-0.745590	0.033773	10.000000	0.000000	20.000000
34	0.295090	0.077220	3.822142	0.304016	-2.540442	0.024905	0.150738	-0.743074	0.036663	10.000000	0.000000	25.000000
35	0.295643	0.080723	3.662254	0.305169	-2.522487	0.028158	0.158071	-0.744302	0.036764	10.000000	0.000000	30.000000
36	0.293389	0.084652	3.465539	0.303631	-2.525294	0.032419	0.161573	-0.741392	0.039398	10.000000	0.000000	35.000000
37	0.457896	0.110036	4.161318	0.470773	-3.933140	0.012225	-0.239650	-1.036355	0.012216	15.000000	0.000000	0.000000
38	0.451213	0.113826	3.964048	0.465293	-3.91436	-0.006835	-0.225645	-1.043982	0.014812	15.000000	0.000000	15.000000
39	0.445777	0.111148	4.010659	0.459354	-3.843140	-0.008015	-0.209216	-1.025128	0.014670	15.000000	0.000000	20.000000
40	0.442461	0.114923	3.850066	0.457129	-3.872450	-0.003510	-0.205701	-1.036563	0.014990	15.000000	0.000000	25.000000
41	0.445908	0.117001	3.811151	0.460996	-3.843835	-0.002395	-0.202163	-1.032909	0.017513	15.000000	0.000000	30.000000
42	0.460390	0.118424	3.887653	0.475353	-3.938882	-0.004769	-0.191396	-1.049742	0.018385	15.000000	0.000000	35.000000

C₁₂

RUN # F7523, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.614563	0.159402	3.855432	0.632019	-5.318275	-0.060404	-0.768669	-1.378619	-0.023489	20.000000	0.000000	0.000000
44	0.603406	0.155235	3.925687	0.625748	-5.223130	-0.062555	-0.734223	-1.366966	-0.021654	20.000000	0.000000	15.000000
45	0.600821	0.15742	3.559491	0.616486	-5.194703	-0.062902	-0.715711	-1.358530	-0.020987	20.000000	0.000000	20.000000
46	0.611675	0.163292	3.745892	0.630636	-5.216091	-0.055760	-0.722309	-1.332724	-0.018429	20.000000	0.000000	25.000000
47	0.603344	0.168253	3.615645	0.629202	-5.238178	-0.049959	-0.723548	-1.364590	-0.020908	20.000000	0.000000	30.000000
48	0.616975	0.166789	3.699126	0.6336812	-5.243710	-0.054287	-0.711190	-1.355323	-0.020333	20.000000	0.000000	35.000000
49	0.738752	0.215970	3.420626	0.760810	-6.334382	-0.116475	-1.261945	-1.604378	-0.057494	25.000000	0.000000	0.000000
50	0.735779	0.214421	3.431470	0.757461	-6.353928	-0.116622	-1.238387	-1.604055	-0.054349	25.000000	0.000000	15.000000
51	0.748828	0.225598	3.333430	0.774180	-6.414972	-0.111645	-1.252045	-1.633946	-0.055614	25.000000	0.000000	20.000000
52	0.757767	0.230183	3.292023	0.784050	-6.07263	-0.111629	-1.233578	-1.623334	-0.052597	25.000000	0.000000	25.000000
53	0.740533	0.218066	3.395510	0.763309	-6.400927	-0.115327	-1.216012	-1.656206	-0.055466	25.000000	0.000000	30.000000
54	0.757686	0.223094	3.366686	0.781825	-6.502767	-0.116207	-1.232402	-1.661828	-0.052110	25.000000	0.000000	35.000000
55	0.775658	0.301951	2.568823	0.822715	-6.692330	-0.126332	-1.257600	-1.657662	-0.060073	30.000000	0.000000	0.000000
56	0.786551	0.309842	2.540196	0.835994	-6.830351	-0.125117	-1.257778	-1.698103	-0.059497	30.000000	0.000000	15.000000
57	0.790667	0.307011	2.575121	0.831258	-6.901343	-0.124428	-1.311327	-1.705723	-0.059573	30.000000	0.000000	20.000000
58	0.808967	0.318384	2.540449	0.859778	-6.981112	-0.128754	-1.338809	-1.747632	-0.059791	30.000000	0.000000	25.000000
59	0.826683	0.322090	2.576683	0.876557	-7.118787	-0.135525	-1.359144	-1.789232	-0.062392	30.000000	0.000000	30.000000
60	0.835024	0.324334	2.574496	0.885324	-7.247147	-0.136621	-1.398469	-1.820641	-0.064925	30.000000	0.000000	35.000000
61	0.808038	0.409638	1.972569	0.896865	-7.0886962	-0.127916	-1.228403	-1.752627	-0.049095	35.000000	0.000000	0.000000
62	0.828303	0.414360	1.999286	0.916139	-7.372509	-0.135221	-1.309910	-1.807774	-0.053359	35.000000	0.000000	15.000000
63	0.824668	0.410166	2.010573	0.910790	-7.429103	-0.137022	-1.334228	-1.847877	-0.057035	35.000000	0.000000	20.000000
64	0.856652	0.430685	1.988047	0.948759	-7.627676	-0.138559	-1.422613	-1.903244	-0.059476	35.000000	0.000000	25.000000
65	0.867872	0.431411	2.011707	0.958366	-7.803838	-0.144400	-1.468518	-1.963069	-0.066617	35.000000	0.000000	30.000000
66	0.898340	0.442347	2.030849	0.989597	-8.032978	-0.152917	-1.515963	-2.011293	-0.066335	35.000000	0.000000	35.000000
67	0.764038	0.477351	1.600580	0.892122	-7.120883	-0.125442	-1.147747	-1.785457	-0.036608	40.000000	0.000000	0.000000
68	0.779995	0.481151	1.619622	0.907072	-7.354475	-0.132451	-1.207408	-1.818108	-0.041222	40.000000	0.000000	15.000000
69	0.837005	0.520726	1.607383	0.975899	-7.7334917	-0.139117	-1.299990	-1.925093	-0.047654	40.000000	0.000000	20.000000
70	0.880763	0.532070	1.655352	1.016711	-8.096683	-0.158554	-1.419576	-2.034089	-0.056390	40.000000	0.000000	25.000000
71	0.900117	0.554163	1.624283	1.045739	-8.371640	-0.154070	-1.480885	-2.068821	-0.059429	40.000000	0.000000	30.000000
72	0.915747	0.550427	1.663704	1.055310	-8.463681	-0.166979	-1.538638	-2.1233160	-0.063873	40.000000	0.000000	35.000000
73	0.711476	0.5611781	1.266467	0.900329	-7.149860	-0.105850	-1.068987	-1.796807	-0.028257	45.000000	0.000000	0.000000
74	0.755767	0.592234	1.276128	0.953181	-7.537241	-0.115634	-1.157803	-1.900605	-0.030166	45.000000	0.000000	15.000000
75	0.745986	0.587119	1.278587	0.942648	-7.562461	-0.112335	-1.169625	-1.895376	-0.031196	45.000000	0.000000	20.000000
76	0.788399	0.613763	1.284533	0.991478	-7.839303	-0.123486	-1.219934	-2.013405	-0.034117	45.000000	0.000000	25.000000
77	0.810533	0.629145	1.288309	1.018007	-8.0866607	-0.128260	-1.247014	-2.036706	-0.037458	45.000000	0.000000	30.000000
78	0.827363	0.645673	1.281396	1.041594	-8.274046	-0.128473	-1.289717	-2.085051	-0.036394	45.000000	0.000000	35.000000
79	0.636886	0.610476	1.043262	0.877034	-6.930284	-0.095476	-1.006318	-1.801589	-0.022035	50.000000	0.000000	0.000000
80	0.671431	0.643522	1.043368	0.924554	-7.289844	-0.100697	-1.041895	-1.838988	-0.024368	50.000000	0.000000	15.000000
81	0.657048	0.630543	1.042034	0.905366	-7.224759	-0.098022	-1.041730	-1.889249	-0.027516	50.000000	0.000000	20.000000
82	0.667848	0.631554	1.057469	0.913083	-7.336955	-0.105646	-1.075511	-1.902920	-0.025296	50.000000	0.000000	25.000000
83	0.686316	0.654744	1.048221	0.942719	-7.478420	-0.104887	-1.072730	-1.916736	-0.023435	50.000000	0.000000	30.000000
84	0.704665	0.670786	1.050507	0.966802	-7.731929	-0.108631	-1.103495	-1.951185	-0.022894	50.000000	0.000000	35.000000

C

RUN # F7524, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CPM	CA	ALPHA	FLAP	PJET
1	-0.052574	0.087995	-0.597459	-0.061484	0.372056	0.082018	0.622114	-0.084570	0.051047	-6.000000	10.000000	0.000000
2	-0.070116	0.095236	-0.736234	-0.079687	0.440900	0.087385	0.601899	-0.065853	0.050124	-6.000000	10.000000	15.000000
3	-0.073283	0.101591	-0.721355	-0.083501	0.461781	0.093374	0.618792	-0.056323	0.049976	-6.000000	10.000000	20.000000
4	-0.074490	0.101201	-0.736058	-0.084660	0.490476	0.092860	0.615493	-0.046950	0.049507	-6.000000	10.000000	25.000000
5	-0.072265	0.100894	-0.716248	-0.082415	0.485055	0.092787	0.631946	-0.056085	0.049970	-6.000000	10.000000	30.000000
6	-0.078794	0.104235	-0.755929	-0.089258	0.484381	0.095428	0.622881	-0.064594	0.049333	-6.000000	10.000000	35.000000
7	0.012164	0.098878	0.123020	0.006972	-0.254806	0.093739	0.563434	-0.255983	0.054831	-3.000000	10.000000	0.000000
8	-0.005005	0.103978	-0.048133	-0.010440	-0.159748	0.103574	0.577415	-0.228557	0.054317	-3.000000	10.000000	15.000000
9	-0.004242	0.104564	-0.040570	-0.009709	-0.133456	0.104199	0.571392	-0.227412	0.053842	-3.000000	10.000000	20.000000
10	-0.006519	0.108961	-0.059827	-0.012213	-0.129231	0.108471	0.589881	-0.229812	0.054602	-3.000000	10.000000	25.000000
11	-0.006063	0.111105	-0.054574	-0.011870	-0.116326	0.110636	0.594336	-0.225553	0.057176	-3.000000	10.000000	30.000000
12	-0.006529	0.110738	-0.058961	-0.012316	-0.128720	0.110244	0.609323	-0.231937	0.057378	-3.000000	10.000000	35.000000
13	0.103457	0.107357	0.963677	0.103457	-1.063332	0.107357	0.529529	-0.489681	0.058993	0.000000	10.000000	0.000000
14	0.097629	0.107706	0.906444	0.097629	-1.026298	0.107706	0.554739	-0.473817	0.059349	0.000000	10.000000	15.000000
15	0.089565	0.108314	0.826904	0.089565	-0.933483	0.108314	0.531390	-0.443505	0.058034	0.000000	10.000000	20.000000
16	0.086698	0.109160	0.794227	0.086698	-0.940859	0.109160	0.561484	-0.443481	0.058583	0.000000	10.000000	25.000000
17	0.093649	0.105848	0.884742	0.093649	-0.936706	0.105848	0.568729	-0.430582	0.058365	0.000000	10.000000	30.000000
18	0.085396	0.106511	0.801762	0.085396	-0.942027	0.106511	0.568636	-0.428869	0.058168	0.000000	10.000000	35.000000
19	0.218191	0.105281	2.072457	0.223402	-2.010750	0.093718	0.486122	-0.695174	0.063287	3.000000	10.000000	0.000000
20	0.205238	0.109169	1.880001	0.210671	-1.927536	0.098278	0.496008	-0.677518	0.062912	3.000000	10.000000	15.000000
21	0.213923	0.109761	1.948984	0.219375	-1.923186	0.098415	0.502871	-0.670027	0.063204	3.000000	10.000000	20.000000
22	0.206297	0.107320	1.922266	0.211631	-1.921145	0.096376	0.530587	-0.682605	0.065788	3.000000	10.000000	25.000000
23	0.209888	0.114683	1.830170	0.215603	-1.908329	0.103541	0.535778	-0.685405	0.066617	3.000000	10.000000	30.000000
24	0.195354	0.118559	1.647732	0.201921	-1.846256	0.108173	0.522209	-0.693696	0.065396	3.000000	10.000000	35.000000
25	0.301313	0.118802	2.536255	0.312081	-2.775381	0.086656	0.367706	-0.893846	0.061682	6.000000	10.000000	0.000000
26	0.289291	0.116981	2.472967	0.299934	-2.712775	0.086101	0.408531	-0.875286	0.062363	6.000000	10.000000	15.000000
27	0.279557	0.124775	2.240478	0.291537	-2.683045	0.094870	0.464582	-0.880405	0.064611	6.000000	10.000000	20.000000
28	0.289381	0.123760	2.338235	0.300732	-2.671310	0.092834	0.417389	-0.874676	0.064971	6.000000	10.000000	25.000000
29	0.290546	0.127228	2.283667	0.302253	-2.687227	0.096161	0.435878	-0.892424	0.065477	6.000000	10.000000	30.000000
30	0.302936	0.127658	2.373019	0.314620	-2.715965	0.095294	0.444097	-0.877371	0.065727	6.000000	10.000000	35.000000
31	0.424731	0.141817	2.994917	0.442904	-3.886057	0.065909	0.164548	-1.152073	0.056868	10.000000	10.000000	0.000000
32	0.397206	0.138016	2.877196	0.415137	-3.745589	0.066945	0.183414	-1.099625	0.053443	10.000000	10.000000	15.000000
33	0.411092	0.140929	2.917008	0.429319	-3.712708	0.067403	0.213553	-1.108500	0.056340	10.000000	10.000000	20.000000
34	0.409694	0.146004	2.806019	0.428023	-3.755131	0.072643	0.219595	-1.111167	0.057095	10.000000	10.000000	25.000000
35	0.412571	0.147831	2.790019	0.431173	-3.703008	0.073943	0.239440	-1.098614	0.059511	10.000000	10.000000	30.000000
36	0.394610	0.1425588	2.7676413	0.413375	-3.650895	0.071899	0.240357	-1.100332	0.056356	10.000000	10.000000	35.000000
37	0.573406	0.183548	3.124012	0.601373	-5.178550	0.028885	-0.214412	-1.433090	0.031048	15.000000	10.000000	0.000000
38	0.568815	0.182056	3.124400	0.596553	-5.115193	0.028332	-0.169507	-1.411965	0.031329	15.000000	10.000000	15.000000
39	0.575903	0.190668	3.020451	0.605628	-5.137140	0.035116	-0.163513	-1.419188	0.031969	15.000000	10.000000	20.000000
40	0.568637	0.193169	2.943722	0.599257	-5.096416	0.033413	-0.147474	-1.405381	0.034629	15.000000	10.000000	25.000000
41	0.550514	0.189454	2.905797	0.580789	-5.016392	0.040515	-0.143714	-1.414654	0.033994	15.000000	10.000000	30.000000
42	0.559481	0.188312	2.971026	0.589156	-5.024510	0.037092	-0.123253	-1.411903	0.034404	15.000000	10.000000	35.000000

RUN # F7524,
Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CRM	CA	ALPHA	FLAP	PJET
43	0.718199	0.229157	3.134096	0.753263	-6.433471	-0.030301	-0.743331	-1.722584	-0.008706	20.000000	0.000000
44	0.713027	0.230100	3.090711	0.748931	-6.409449	-0.027082	-0.725548	-1.718429	-0.006066	10.000000	15.000000
45	0.703840	0.229103	3.061128	0.739557	-6.378676	-0.024877	-0.704982	-1.719845	-0.005970	20.000000	20.000000
46	0.706587	0.231850	3.047597	0.743272	-6.359998	-0.023799	-0.691103	-1.720245	-0.005800	20.000000	25.000000
47	0.707426	0.231619	3.015214	0.745008	-6.309610	-0.021484	-0.682851	-1.701628	-0.005664	20.000000	30.000000
48	0.711626	0.231158	3.000639	0.749823	-6.352377	-0.020534	-0.663656	-1.703012	-0.004982	20.000000	35.000000
49	0.816273	0.298619	2.733498	0.865997	-7.316966	-0.074331	-1.145803	-1.879202	-0.041704	25.000000	0.000000
50	0.810017	0.295781	2.738510	0.859127	-7.339591	-0.074239	-1.138638	-1.887106	-0.038809	25.000000	10.000000
51	0.808220	0.301907	2.650114	0.861356	-7.341119	-0.065229	-1.138336	-1.881514	-0.038701	25.000000	20.000000
52	0.825856	0.313087	2.637812	0.880805	-7.366188	-0.065272	-1.146286	-1.891098	-0.03872	25.000000	25.000000
53	0.818123	0.301115	2.663309	0.871164	-7.350448	-0.067413	-1.125797	-1.909976	-0.038355	25.000000	30.000000
54	0.811616	0.309573	2.621125	0.866605	-7.342972	-0.062435	-1.122216	-1.910580	-0.031918	25.000000	35.000000
55	0.798642	0.392668	2.033884	0.887978	-7.432189	-0.059260	-1.064130	-1.884326	-0.037942	30.000000	0.000000
56	0.818530	0.397104	2.061247	0.907120	-7.535835	-0.065362	-1.100674	-1.904415	-0.040961	30.000000	15.000000
57	0.838847	0.397955	2.107950	0.925135	-7.713048	-0.074793	-1.131416	-1.945795	-0.042331	30.000000	20.000000
58	0.866324	0.411148	2.105551	0.955982	-7.842178	-0.076837	-1.159349	-1.984064	-0.045052	30.000000	25.000000
59	0.869502	0.411762	2.111164	0.958892	-7.942457	-0.078155	-1.188362	-2.004897	-0.043638	30.000000	30.000000
60	0.884711	0.419672	2.108013	0.976618	-8.132624	-0.078909	-1.238041	-2.064285	-0.045808	30.000000	35.000000
61	0.786468	0.468918	1.677196	0.913198	-7.626612	-0.066984	-0.983393	-1.915333	-0.027085	35.000000	0.000000
62	0.815950	0.502392	1.624132	0.956547	-7.827918	-0.056474	-1.002201	-1.964194	-0.031050	35.000000	15.000000
63	0.852544	0.500787	1.712393	0.982969	-8.150012	-0.081646	-1.117101	-2.051285	-0.038842	35.000000	20.000000
64	0.888169	0.513953	1.728112	1.022337	-8.459153	-0.084246	-1.207817	-2.120115	-0.043917	35.000000	25.000000
65	0.922626	0.528013	1.747353	1.058627	-8.694398	-0.096673	-1.274980	-2.188850	-0.048285	35.000000	30.000000
66	0.935512	0.532263	1.757614	1.071620	-8.834496	-0.100583	-1.317712	-2.253256	-0.050620	35.000000	35.000000
67	0.768259	0.573777	1.338952	0.957338	-7.669444	-0.054289	-0.913545	-1.944326	-0.022209	40.000000	0.000000
68	0.781933	0.575630	1.358394	0.969003	-7.817195	-0.061658	-0.973600	-1.993308	-0.024522	40.000000	15.000000
69	0.824052	0.596114	1.382373	1.014436	-8.269682	-0.073040	-1.053777	-2.084448	-0.027984	40.000000	20.000000
70	0.861794	0.615646	1.399820	1.055902	-8.558530	-0.082338	-1.155540	-2.159515	-0.035136	40.000000	25.000000
71	0.890681	0.636882	1.398503	1.091681	-8.809262	-0.084638	-1.185123	-2.233329	-0.036548	40.000000	30.000000
72	0.919614	0.644503	1.426858	1.118744	-9.095956	-0.097398	-1.271881	-2.276035	-0.041941	40.000000	35.000000
73	0.701118	0.629342	1.114050	0.940777	-7.664386	-0.050753	-0.837634	-1.925443	-0.012121	45.000000	0.000000
74	0.737667	0.658120	1.120869	0.986971	-7.928055	-0.056247	-0.910270	-2.041151	-0.014539	45.000000	15.000000
75	0.722472	0.643703	1.122368	0.966031	-7.898715	-0.055697	-0.917218	-2.031323	-0.017696	45.000000	20.000000
76	0.773533	0.689498	1.123507	1.033812	-8.331844	-0.060128	-0.954306	-2.095805	-0.014732	45.000000	25.000000
77	0.798515	0.703877	1.134452	1.062352	-8.540343	-0.066918	-0.971090	-2.148162	-0.016229	45.000000	30.000000
78	0.816093	0.719582	1.134122	1.085886	-8.778538	-0.068243	-1.030645	-2.229291	-0.021458	45.000000	35.000000
79	0.628485	0.690339	0.910400	0.932813	-7.600179	-0.037705	-0.792799	-1.933376	-0.005880	50.000000	0.000000
80	0.630683	0.680254	0.927129	0.926500	-7.571882	-0.045872	-0.849871	-1.950782	-0.009459	50.000000	15.000000
81	0.635333	0.697807	0.910472	0.942935	-7.782395	-0.038152	-0.844748	-1.995136	-0.005351	50.000000	20.000000
82	0.636339	0.697484	0.912334	0.943335	-7.873246	-0.039129	-0.843889	-2.005557	-0.007135	50.000000	25.000000
83	0.668145	0.730828	0.914229	0.989322	-8.115983	-0.042060	-0.843438	-2.064207	-0.007182	50.000000	30.000000
84	0.682054	0.742306	0.918831	1.007055	-8.124462	-0.045337	-0.878554	-2.105948	-0.008030	50.000000	35.000000

RUN # F7525, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.008764	0.084128	-0.104178	-0.017510	0.073874	0.082751	0.660385	-0.241989	0.059435	-6.000000	15.000000	0.000000
2	-0.018248	0.095662	-0.190753	-0.028147	0.139568	0.092321	0.655945	-0.221747	0.058679	-6.000000	15.000000	0.000000
3	-0.018090	0.087032	-0.207853	-0.027088	0.164473	0.084665	0.674734	-0.202302	0.058403	-6.000000	15.000000	0.000000
4	-0.019936	0.094270	-0.211478	-0.029681	0.170404	0.091669	0.674264	-0.211971	0.061146	-6.000000	15.000000	0.000000
5	-0.024599	0.096023	-0.256180	-0.034501	0.166874	0.092925	0.677800	-0.209891	0.060738	-6.000000	15.000000	30.000000
6	-0.024727	0.093411	-0.264709	-0.034355	0.166155	0.090314	0.675732	-0.208970	0.060435	-6.000000	15.000000	35.000000
7	0.077119	0.088476	0.871644	0.072383	-0.669744	0.092390	0.642142	-0.439695	0.062303	-3.000000	15.000000	0.000000
8	0.071418	0.090947	0.785265	0.066560	-0.615953	0.094560	0.670508	-0.422327	0.065066	-3.000000	15.000000	0.000000
9	0.062909	0.096743	0.650264	0.057759	-0.553930	0.09903	0.669052	-0.420959	0.064489	-3.000000	20.000000	0.000000
10	0.052113	0.098276	0.601502	0.053882	-0.517890	0.101235	0.667154	-0.412750	0.064302	-3.000000	15.000000	25.000000
11	0.059165	0.097463	0.607057	0.053983	-0.501666	0.100425	0.673633	-0.400925	0.063985	-3.000000	15.000000	30.000000
12	0.056585	0.094893	0.596301	0.051541	-0.494668	0.097724	0.688791	-0.390610	0.063976	-3.000000	15.000000	35.000000
13	0.187453	0.095466	1.963559	0.187453	-1.565693	0.095466	0.610992	-0.694125	0.071675	0.000000	15.000000	0.000000
14	0.175583	0.100126	1.743183	0.175583	-1.520980	0.100726	0.625757	-0.682113	0.072055	0.000000	15.000000	0.000000
15	0.168103	0.102134	1.651789	0.168703	-1.441972	0.102134	0.625644	-0.658897	0.071137	0.000000	15.000000	0.000000
16	0.165142	0.099194	1.664844	0.165142	-1.424913	0.09194	0.632595	-0.652845	0.071250	0.000000	15.000000	25.000000
17	0.164547	0.105083	1.565875	0.164547	-1.388285	0.105083	0.636317	-0.647894	0.070855	0.000000	15.000000	30.000000
18	0.172502	0.101956	1.691931	0.172502	-1.410660	0.101956	0.648235	-0.641196	0.071405	0.000000	15.000000	35.000000
19	0.295336	0.112926	2.615300	0.300842	-2.487853	0.097315	0.546230	-0.921232	0.075993	3.000000	15.000000	0.000000
20	0.286792	0.111208	2.511152	0.292377	-2.441201	0.09041	0.575514	-0.910274	0.076508	3.000000	15.000000	0.000000
21	0.279717	0.115910	2.413234	0.285400	-2.379526	0.101112	0.579384	-0.908137	0.078510	3.000000	20.000000	0.000000
22	0.272837	0.118031	2.311578	0.278641	-2.351506	0.103590	0.593402	-0.892491	0.078313	3.000000	15.000000	25.000000
23	0.277750	0.122777	2.262230	0.283795	-2.381068	0.108073	0.606843	-0.910931	0.079333	3.000000	15.000000	30.000000
24	0.279520	0.123670	2.260206	0.285609	-2.350015	0.108872	0.603977	-0.890620	0.078606	3.000000	15.000000	35.000000
25	0.382260	0.127301	3.002814	0.393473	-3.300191	0.086646	0.446388	-1.113295	0.075690	6.000000	15.000000	0.000000
26	0.374431	0.132050	2.833551	0.386183	-3.200843	0.092188	0.469698	-1.095293	0.075505	6.000000	15.000000	0.000000
27	0.369715	0.128984	2.866338	0.381173	-3.187790	0.09632	0.498461	-1.085374	0.075794	6.000000	15.000000	20.000000
28	0.377755	0.135181	2.794446	0.389316	-3.214064	0.094954	0.507213	-1.095026	0.079299	6.000000	15.000000	25.000000
29	0.350531	0.129794	2.700680	0.362218	-3.115344	0.092442	0.513808	-1.078710	0.075201	6.000000	15.000000	30.000000
30	0.364858	0.127483	2.862009	0.376195	-3.158909	0.088647	0.522928	-1.059017	0.078236	6.000000	15.000000	35.000000
31	0.506745	0.153941	3.291809	0.525778	-4.422628	0.063607	0.231066	-1.348734	0.067596	10.000000	15.000000	0.000000
32	0.461205	0.147468	3.127482	0.479806	-4.284423	0.065141	0.245971	-1.321231	0.066635	10.000000	15.000000	0.000000
33	0.490763	0.158145	3.103254	0.510768	-4.29294	0.070522	0.281278	-1.321426	0.070568	10.000000	15.000000	20.000000
34	0.480740	0.155436	3.092845	0.500428	-4.255772	0.069595	0.291160	-1.324883	0.070379	10.000000	15.000000	25.000000
35	0.475710	0.162752	2.922920	0.496744	-4.161298	0.077673	0.293132	-1.306019	0.069449	10.000000	15.000000	30.000000
36	0.474283	0.159251	2.978213	0.494731	-4.173455	0.074473	0.323564	-1.304029	0.070103	10.000000	15.000000	35.000000
37	0.652988	0.203108	3.214986	0.683306	-5.669188	0.027181	-0.163554	-1.631977	0.038777	15.000000	15.000000	0.000000
38	0.641790	0.203195	3.158499	0.672513	-5.554440	0.030164	-0.126555	-1.596667	0.041251	15.000000	15.000000	0.000000
39	0.631360	0.206428	3.058494	0.663274	-5.537254	0.035987	-0.103553	-1.603481	0.041576	15.000000	20.000000	0.000000
40	0.613415	0.201621	3.042422	0.644697	-5.488585	0.035987	-0.086018	-1.610314	0.041351	15.000000	25.000000	0.000000
41	0.633374	0.205422	3.080287	0.665011	-5.519530	0.034686	-0.065707	-1.606131	0.042120	15.000000	30.000000	0.000000
42	0.631174	0.209869	3.010278	0.664555	-5.499561	0.039205	-0.055471	-1.604244	0.044900	15.000000	35.000000	0.000000

RUN # F7525, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CRM	CA	ALPHA	FLAP	PJET
43	0.784102	0.250733	3.127237	0.822571	-6.884879	-0.032566	-0.697905	-1.921393	0.000425	20.000000	15.000000
44	0.757621	0.244746	3.108235	0.795297	-6.727821	-0.030075	-0.656665	-1.891959	0.002908	20.000000	15.000000
45	0.769545	0.246148	3.126352	0.807134	-6.726766	-0.031896	-0.654141	-1.861329	0.002697	20.000000	15.000000
46	0.754735	0.248165	3.041268	0.794096	-6.678137	-0.024936	-0.613616	-1.863749	0.003272	20.000000	15.000000
47	0.769556	0.253165	3.039738	0.809733	-6.764689	-0.025306	-0.600353	-1.877771	0.006624	20.000000	15.000000
48	0.773799	0.258597	2.992301	0.815578	-6.687763	-0.021653	-0.594543	-1.864999	0.006613	20.000000	15.000000
49	0.834379	0.311748	2.676451	0.887955	-7.465517	-0.070084	-1.021223	-1.990311	-0.028841	25.000000	15.000000
50	0.856427	0.319634	2.679398	0.911270	-7.559446	-0.072255	-1.030933	-2.017972	-0.028128	25.000000	15.000000
51	0.862529	0.327226	2.635878	0.920009	-7.623661	-0.067952	-1.042252	-2.027934	-0.028698	25.000000	20.000000
52	0.857315	0.322648	2.657120	0.913348	-7.584367	-0.069898	-1.030466	-2.028350	-0.025973	25.000000	25.000000
53	0.864212	0.327979	2.639459	0.921853	-7.657772	-0.067981	-1.022838	-2.023453	-0.027933	25.000000	30.000000
54	0.868092	0.331383	2.619604	0.926807	-7.657655	-0.066536	-1.011845	-2.047123	-0.027498	25.000000	35.000000
55	0.851198	0.416605	2.043176	0.945462	-7.698440	-0.064808	-0.923893	-2.014074	-0.027181	30.000000	15.000000
56	0.163258	0.414405	2.083125	0.954806	-7.778243	-0.072743	-0.940158	-2.018706	-0.027448	30.000000	15.000000
57	0.865723	0.411990	2.101520	0.955733	-7.841504	-0.076067	-2.067232	-0.032153	-0.032153	30.000000	20.000000
58	0.899607	0.427234	2.105652	0.992699	-8.040513	-0.079808	-1.030579	-2.03742	-0.033742	30.000000	25.000000
59	0.898965	0.423094	2.124740	0.990074	-8.146563	-0.083072	-1.062613	-2.125751	-0.033916	30.000000	30.000000
60	0.918389	0.430067	2.135458	1.010382	-8.272308	-0.086746	-1.094088	-2.160125	-0.035613	30.000000	35.000000
61	0.829454	0.461019	1.799176	0.943879	-7.575296	-0.098110	-1.476849	-2.009513	-0.285774	35.000000	15.000000
62	0.825468	0.463760	1.779945	0.942186	-7.735926	-0.093578	-1.537452	-2.039944	-0.282468	35.000000	15.000000
63	0.886386	0.489064	1.812414	1.006600	-8.124985	-0.107792	-1.609627	-2.124680	-0.291275	35.000000	20.000000
64	0.922388	0.497353	1.854594	1.040847	-8.364190	-0.121652	-1.702595	-2.197960	-0.296570	35.000000	25.000000
65	0.929803	0.525042	1.841039	1.051330	-8.598814	-0.119606	-1.758350	-2.257221	-0.300124	35.000000	30.000000
66	0.978058	0.524956	1.863122	1.102821	-8.858177	-0.130971	-1.806669	-2.286849	-0.301770	35.000000	35.000000
67	0.780664	0.568278	1.373736	0.963306	-7.722553	-0.066474	-1.183237	-2.017507	-0.215923	40.000000	15.000000
68	0.804454	0.579163	1.388994	0.988226	-7.912983	-0.073428	-1.209063	-2.059923	-0.214556	40.000000	15.000000
69	0.849709	0.616965	1.377240	1.041493	-8.035579	-0.073559	-2.157502	-2.156130	-0.217042	40.000000	20.000000
70	0.889675	0.634805	1.401493	1.089576	-8.624258	-0.085583	-1.349576	-2.345871	-0.220342	40.000000	25.000000
71	0.922803	0.654110	1.418787	1.133736	-8.884115	-0.09457	-1.453942	-2.300995	-0.226471	40.000000	30.000000
72	0.928334	0.642258	1.445421	1.123381	-9.095480	-0.10422	-1.503430	-2.366052	-0.230295	40.000000	35.000000
73	0.689652	0.648569	1.063344	0.946265	-7.623334	-0.029950	-0.730653	-2.006279	-0.10853	45.000000	0.000000
74	0.705032	0.638959	1.103390	0.950353	-7.98406	-0.046713	-0.768033	-2.036934	-0.105365	45.000000	15.000000
75	0.730351	0.671812	1.081336	0.991419	-8.092224	-0.041393	-0.785658	-2.102994	-0.046257	45.000000	20.000000
76	0.771648	0.704633	1.095106	1.043888	-8.358166	-0.047386	-0.836068	-2.188180	-0.06587	45.000000	25.000000
77	0.763655	0.692556	1.10246	1.029704	-8.479000	-0.050267	-0.870003	-2.220088	-0.11598	45.000000	30.000000
78	0.800066	0.722334	1.108361	1.076881	-8.718057	-0.055336	-0.894411	-2.285634	-0.09781	45.000000	35.000000
79	0.622434	0.701533	0.887249	0.937498	-7.603123	-0.025875	-0.691180	-2.045187	0.04078	50.000000	0.000000
80	0.621296	0.703735	0.882930	0.938469	-7.617322	-0.023575	-0.685665	-2.004118	0.02216	50.000000	15.000000
81	0.637744	0.708960	0.889958	0.953029	-7.701544	-0.032828	-0.679550	-2.006523	0.03009	50.000000	20.000000
82	0.653734	0.719213	0.908557	0.971161	-7.868940	-0.038487	-0.714309	-2.082788	0.01633	50.000000	25.000000
83	0.686170	0.764577	0.897450	1.026762	-8.073025	-0.034175	-0.714024	-2.10424	0.006261	50.000000	30.000000
84	0.672026	0.762137	0.881765	1.015801	-8.253134	-0.024909	-0.736851	-2.13524	0.001947	50.000000	35.000000

RUN # F7526, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CRM	CRM	CA	ALPHA	FLAP	PJET
1	-0.467682	0.207267	-2.256421	-0.486785	3.768157	0.157246	1.112489	1.078182	0.021672	-6.000000	-30.000000	0.000000
2	-0.489447	0.238111	-2.289157	-0.509115	3.832021	0.161479	1.120140	1.070035	0.020760	-6.000000	-30.000000	15.000000
3	-0.476415	0.230352	-2.068164	-0.497943	3.800773	0.179285	1.166004	1.119025	0.022416	-6.000000	-30.000000	20.000000
4	-0.503099	0.222224	-2.20403	-0.524199	3.912582	0.174386	1.174952	1.116493	0.023283	-6.000000	-30.000000	25.000000
5	-0.493901	0.224159	-2.203553	-0.511626	3.901824	0.171304	1.171837	1.103968	0.022205	-6.000000	-30.000000	30.000000
6	-0.490908	0.224465	-2.186042	-0.511692	3.873552	0.172021	1.163073	1.101222	0.020449	-6.000000	-30.000000	35.000000
7	-0.385915	0.182352	-2.116320	-0.394930	2.972711	0.161905	1.032740	0.922080	0.015742	-3.000000	-30.000000	0.000000
8	-0.381220	0.174107	-2.182057	-0.389841	2.947636	0.154516	1.024907	0.892467	0.015407	-3.000000	-30.000000	15.000000
9	-0.392087	0.182204	-2.151907	-0.401085	3.06360	0.161434	1.054230	0.899945	0.015811	-3.000000	-30.000000	20.000000
10	-0.397089	0.184636	-2.150658	-0.406228	3.062200	0.163601	1.070117	0.929041	0.016152	-3.000000	-30.000000	25.000000
11	-0.391088	0.184959	-2.114456	-0.400232	3.058009	0.164238	1.099823	0.927134	0.016639	-3.000000	-30.000000	30.000000
12	-0.406742	0.187607	-2.168055	-0.416003	3.116008	0.166063	1.106396	0.930656	0.016295	-3.000000	-30.000000	35.000000
13	-0.244085	0.152734	-1.598105	-0.244085	1.718658	0.152734	0.892147	0.552416	0.023544	0.000000	-30.000000	0.000000
14	-0.242986	0.144983	-1.675964	-0.242986	1.727580	0.144983	0.854435	0.550100	0.019488	0.000000	-30.000000	15.000000
15	-0.260781	0.148195	-1.759716	-0.260781	1.855592	0.149195	0.833543	0.589752	0.019779	0.000000	-30.000000	20.000000
16	-0.253472	0.150334	-1.686057	-0.253472	1.86024	0.150334	0.900813	0.580822	0.019776	0.000000	-30.000000	25.000000
17	-0.254014	0.143413	-1.771203	-0.254014	1.837756	0.143413	0.989660	0.575829	0.019770	0.000000	-30.000000	30.000000
18	-0.243732	0.148498	-1.641314	-0.243732	1.864959	0.148498	0.914356	0.577500	0.020206	0.000000	-30.000000	35.000000
19	-0.120955	0.124258	-0.973418	-0.114286	0.707327	0.130418	0.723608	0.255858	0.023081	3.000000	-30.000000	0.000000
20	-0.122971	0.123997	-0.991729	-0.116313	0.757227	0.130262	0.720338	0.276396	0.020186	3.000000	-30.000000	15.000000
21	-0.131019	0.122566	-1.068965	-0.124425	0.799448	0.129255	0.726616	0.274238	0.022360	3.000000	-30.000000	20.000000
22	-0.129434	0.127654	-1.013945	-0.122576	0.803538	0.134253	0.745533	0.280172	0.022645	3.000000	-30.000000	25.000000
23	-0.135180	0.126387	-1.122879	-0.128694	0.755443	0.127296	0.740313	0.265770	0.020287	3.000000	-30.000000	30.000000
24	-0.130880	0.126833	-1.031908	-0.124063	0.813170	0.133509	0.769842	0.283519	0.020616	3.000000	-30.000000	35.000000
25	-0.018015	0.099779	-0.180554	-0.007487	-0.092235	0.101116	0.592093	0.035353	0.021469	6.000000	-30.000000	0.000000
26	-0.031468	0.096982	-0.324474	-0.021158	-0.033324	0.099740	0.623095	0.044459	0.023971	6.000000	-30.000000	15.000000
27	-0.057027	0.099525	-0.574545	-0.046339	-0.042640	0.104672	0.614389	0.071673	0.023685	6.000000	-30.000000	20.000000
28	-0.024933	0.106828	-0.233397	-0.013630	-0.036217	0.108849	0.652599	0.025534	0.027149	6.000000	-30.000000	25.000000
29	-0.055436	0.103954	-0.244682	-0.014430	-0.082977	0.106043	0.6333192	0.015814	0.026481	6.000000	-30.000000	30.000000
30	-0.019195	0.115292	-0.166494	-0.007039	-0.152451	0.116667	0.686562	0.007875	0.029342	6.000000	-30.000000	35.000000
31	0.108520	0.107398	1.010446	0.125520	-1.217791	0.086922	0.443847	-0.2722130	0.0252563	10.000000	-30.000000	0.000000
32	0.1110067	0.110996	0.991628	0.127669	-1.188252	0.090197	0.417957	-0.274449	0.022019	10.000000	-30.000000	15.000000
33	0.110685	0.112835	0.980950	0.128597	-1.213856	0.091900	0.437881	-0.282376	0.022593	10.000000	-30.000000	20.000000
34	0.124257	0.107273	1.158322	0.140997	-1.277279	0.084066	0.461528	-0.294486	0.023337	10.000000	-30.000000	25.000000
35	0.123598	0.10983	1.125846	0.140784	-1.293717	0.086652	0.468278	-0.313730	0.026189	10.000000	-30.000000	30.000000
36	0.1222726	0.104628	1.172973	0.139030	-1.260885	0.081728	0.492636	-0.299823	0.026183	10.000000	-30.000000	35.000000
37	0.264878	0.112551	2.353406	0.284983	-2.512150	0.040160	0.076754	-0.611998	0.004468	15.000000	-30.000000	0.000000
38	0.251195	0.100584	2.487477	0.268173	-2.419293	0.032529	0.059893	-0.630784	0.000524	15.000000	-30.000000	15.000000
39	0.271943	0.110264	2.466225	0.29215	-2.586062	0.036123	0.050868	-0.636378	0.006943	15.000000	-30.000000	20.000000
40	0.293709	0.120237	2.442276	0.314821	-2.655169	0.040122	0.083541	-0.632394	0.008937	15.000000	-30.000000	25.000000
41	0.278000	0.116355	2.388424	0.298553	-2.822926	0.040477	0.083614	-0.681070	0.006791	15.000000	-30.000000	30.000000
42	0.314596	0.135355	2.324230	0.338909	-2.848734	0.049319	0.092670	-0.682977	0.011225	15.000000	-30.000000	35.000000

RUN # F7526, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.492577	0.158817	3.101532	0.5117190	-4.130041	-0.019232	-0.492592	-0.985089	-0.026073	20.000000	-30.000000	0.000000
44	0.429196	0.155218	2.765113	0.456650	-3.866575	-0.000936	-0.380216	-0.941120	-0.024235	20.000000	-30.000000	15.000000
45	0.460678	0.16025	2.808587	0.488996	-4.101693	-0.003428	-0.401284	-0.969244	-0.023999	20.000000	-30.000000	15.000000
46	0.451448	0.159544	2.829618	0.478789	-4.079505	-0.004482	-0.385586	-0.988477	-0.021387	20.000000	-30.000000	25.000000
47	0.450536	0.161731	2.786330	0.478774	-4.128109	-0.002149	-0.395031	-0.995085	-0.021483	20.000000	-30.000000	30.000000
48	0.469184	0.173499	2.704250	0.500229	-4.238572	0.002565	-0.406945	-1.010773	-0.020414	20.000000	-30.000000	35.000000
49	0.612444	0.211999	2.888908	0.644657	-5.398761	-0.066694	-0.920694	-1.279968	-0.057177	25.000000	-30.000000	0.000000
50	0.630126	0.212294	2.969110	0.660989	-5.518056	-0.073983	-0.953005	-1.307213	-0.056243	25.000000	-30.000000	15.000000
51	0.632229	0.210279	3.006147	0.661171	-5.524511	0.076572	-0.956308	-1.322935	-0.056706	25.000000	-30.000000	20.000000
52	0.643654	0.214421	3.001832	0.673967	-5.584199	-0.077689	-0.968643	-1.356820	-0.057044	25.000000	-30.000000	25.000000
53	0.659947	0.216838	3.043501	0.689755	-5.751319	-0.082383	-0.977040	-1.400006	-0.058112	25.000000	-30.000000	30.000000
54	0.654714	0.216072	3.03005	0.684688	-5.752992	-0.080866	-0.997719	-1.408391	-0.058473	25.000000	-30.000000	35.000000
55	0.687502	0.282325	2.435146	0.736555	-6.095521	-0.099250	-1.005188	-1.436570	-0.060139	30.000000	-30.000000	0.000000
56	0.732805	0.299150	2.449626	0.7844203	-6.315274	-0.107331	-1.094898	-1.496686	-0.062192	30.000000	-30.000000	15.000000
57	0.747797	0.302317	2.472896	0.798809	-6.501464	-0.112014	-1.156557	-1.514692	-0.058773	30.000000	-30.000000	20.000000
58	0.785214	0.305013	2.5733697	0.832592	-6.730555	-0.128394	-1.238256	-1.643215	-0.070463	30.000000	-30.000000	25.000000
59	0.740483	0.292673	2.530073	0.787613	-6.594459	-0.116779	-1.207169	-1.577413	-0.063659	30.000000	-30.000000	30.000000
60	0.791624	0.318122	2.4888427	0.844627	-6.956404	-0.120310	-1.284419	-1.672378	-0.068571	30.000000	-30.000000	35.000000
61	0.745029	0.384538	1.937462	0.830854	-6.730579	-0.112335	-1.086639	-1.594156	-0.054787	35.000000	-30.000000	0.000000
62	0.775195	0.404443	1.916699	0.866982	-7.015251	-0.113333	-1.207594	-1.708414	-0.062611	35.000000	-30.000000	15.000000
63	0.829356	0.417344	1.987226	0.918748	-7.409788	-0.133831	-1.311630	-1.813637	-0.069179	35.000000	-30.000000	20.000000
64	0.836603	0.421293	1.985797	0.926949	-7.609536	-0.134752	-1.398056	-1.882682	-0.071574	35.000000	-30.000000	25.000000
65	0.868898	0.435157	1.996944	0.961426	-7.712729	-0.141969	-1.470134	-1.879845	-0.071792	35.000000	-30.000000	30.000000
66	0.903088	0.445505	2.027108	0.995298	-8.115815	-0.153053	-1.559141	-1.993635	-0.078477	35.000000	-30.000000	35.000000
67	0.730014	0.475392	1.535607	0.864799	-7.018551	-0.105073	-1.071600	-1.687804	-0.042161	40.000000	-30.000000	0.000000
68	0.762672	0.487337	1.564979	0.897495	-7.297104	-0.116914	-1.158886	-1.789135	-0.050553	40.000000	-30.000000	15.000000
69	0.792120	0.493439	1.605240	0.923988	-7.504941	-0.121553	-1.250298	-1.817726	-0.054332	40.000000	-30.000000	20.000000
70	0.842038	0.517410	1.627365	0.977645	-7.880622	-0.144883	-1.333809	-1.914713	-0.059099	40.000000	-30.000000	25.000000
71	0.866236	0.535488	1.617657	1.007780	-8.216530	-0.146598	-1.437850	-1.961235	-0.06474	40.000000	-30.000000	30.000000
72	0.881753	0.539362	1.6348805	1.022157	-8.390366	-0.153603	-1.503675	-2.054270	-0.068783	40.000000	-30.000000	35.000000
73	0.693141	0.546154	1.269131	0.876314	-6.957131	-0.103935	-1.013094	-1.716281	-0.030630	45.000000	-30.000000	0.000000
74	0.720181	0.575792	1.251808	0.916816	-7.337482	-0.102522	-1.043667	-1.806153	-0.027497	45.000000	-30.000000	15.000000
75	0.764311	0.595541	1.283389	0.961561	-7.673285	-0.119338	-1.094216	-1.941700	-0.029470	45.000000	-30.000000	20.000000
76	0.744272	0.586619	1.268748	0.941082	-7.619838	-0.111477	-1.091161	-1.906105	-0.029914	45.000000	-30.000000	25.000000
77	0.784995	0.619276	1.267602	0.992969	-7.914981	-0.117181	-1.163207	-1.962123	-0.029629	45.000000	-30.000000	30.000000
78	0.834931	0.637089	1.310540	1.040875	-8.336474	-0.139895	-1.276035	-2.099585	-0.037402	45.000000	-30.000000	35.000000
79	0.650960	0.621313	1.047716	0.894382	-7.136224	-0.099291	-0.956199	-1.763311	-0.020072	50.000000	-30.000000	0.000000
80	0.668335	0.641919	1.041963	0.920952	-7.327012	-0.099677	-0.970699	-1.886069	-0.019439	50.000000	-30.000000	15.000000
81	0.674032	0.648844	1.038819	0.930303	-7.449033	-0.099269	-0.965966	-1.895581	-0.018110	50.000000	-30.000000	20.000000
82	0.694995	0.674348	1.030618	0.963315	-7.602470	-0.098934	-0.996462	-1.930481	-0.017094	50.000000	-30.000000	25.000000
83	0.737366	0.708575	1.0406332	1.016770	-7.942257	-0.109391	-1.049678	-1.996009	-0.019755	50.000000	-30.000000	30.000000
84	0.725203	0.708003	1.024294	1.008513	-7.967666	-0.100441	-1.021660	-2.063892	-0.017950	50.000000	-30.000000	35.000000

RUN # E7527, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	P JET
1	-0.238143	0.132423	-1.798349	-0.250681	2.062060	0.106805	0.814311	0.517693	0.034200	-6.000000	-20.000000	0.000000
2	-0.260451	0.134257	-1.939941	-0.273058	2.162465	0.106297	0.79845	0.534898	0.031595	-6.000000	-20.000000	15.000000
3	-0.266812	0.138722	-1.923352	-0.279851	2.187031	0.11003	0.814908	0.542850	0.029698	-6.000000	-20.000000	20.000000
4	-0.258896	0.134697	-1.922067	-0.271558	2.195583	0.106897	0.802149	0.541147	0.028993	-6.000000	-20.000000	25.000000
5	-0.269877	0.140481	-1.921087	-0.283083	2.239277	0.111502	0.820283	0.5561567	0.028993	-6.000000	-20.000000	30.000000
6	-0.271988	0.135668	-2.004805	-0.284679	2.270070	0.106494	0.805011	0.548320	0.028121	-6.000000	-20.000000	35.000000
7	-0.124963	0.113715	-1.098916	-0.130743	1.042476	0.107019	0.771892	0.204927	0.038007	-3.000000	-20.000000	0.000000
8	-0.120168	0.105914	-1.134580	-0.125547	0.995414	0.099480	0.755448	0.184958	0.037567	-3.000000	-20.000000	0.000000
9	-0.141461	0.103740	-1.363613	-0.146697	1.108086	0.096194	0.729292	0.192929	0.030983	-3.000000	-20.000000	15.000000
10	-0.134827	0.110204	-1.223433	-0.140410	1.067604	0.102996	0.753383	0.223740	0.034892	-3.000000	-20.000000	20.000000
11	-0.120428	0.109152	-1.103300	-0.125975	1.064329	0.102700	0.756887	0.211786	0.034762	-3.000000	-20.000000	25.000000
12	-0.125432	0.106960	-1.172698	-0.130858	1.047253	0.100249	0.744693	0.220191	0.034478	-3.000000	-20.000000	30.000000
13	-0.015706	0.090199	-0.174127	-0.015706	0.113391	0.090199	0.650507	-0.054957	0.042750	0.000000	-20.000000	0.000000
14	-0.013093	0.095601	-0.136951	-0.013093	0.120279	0.095601	0.627429	-0.063726	0.039900	0.000000	-20.000000	15.000000
15	-0.020154	0.090808	-0.221943	-0.020154	0.137374	0.090808	0.637057	-0.055219	0.039972	0.000000	-20.000000	20.000000
16	-0.013183	0.095400	-0.138184	-0.013184	0.137170	0.095400	0.646587	-0.063807	0.041013	0.000000	-20.000000	25.000000
17	-0.011318	0.096123	-0.117748	-0.011318	0.118208	0.096123	0.651182	-0.089175	0.041130	0.000000	-20.000000	30.000000
18	-0.004912	0.097047	-0.050615	-0.004912	0.075888	0.097047	0.658710	-0.092778	0.041598	0.000000	-20.000000	35.000000
19	-0.1111765	0.095555	1.169636	0.116613	-0.980723	0.089575	0.581234	-0.424691	0.051367	3.000000	-20.000000	0.000000
20	0.119929	0.093153	1.287437	0.124640	-0.958929	0.086749	0.579324	-0.416906	0.050637	3.000000	-20.000000	15.000000
21	0.110835	0.094971	1.167037	0.115653	-0.939476	0.089040	0.584616	-0.399169	0.048160	3.000000	-20.000000	20.000000
22	0.120846	0.096596	1.251038	0.125735	-0.908090	0.090139	0.603900	-0.435669	0.053334	3.000000	-20.000000	25.000000
23	0.128423	0.100229	1.281302	0.133493	-1.026017	0.093370	0.595424	-0.430450	0.053818	3.000000	-20.000000	30.000000
24	0.157412	0.099851	1.576466	0.162422	-1.176726	0.091476	0.615848	-0.453537	0.055641	3.000000	-20.000000	35.000000
25	0.237007	0.106791	2.219360	0.246872	-2.029200	0.081432	0.468784	-0.669902	0.052188	6.000000	-20.000000	0.000000
26	0.216382	0.098074	2.206312	0.225448	-1.828508	0.074919	0.423890	-0.648370	0.051211	6.000000	-20.000000	15.000000
27	0.234294	0.107818	2.173045	0.244290	-2.019508	0.082737	0.488034	-0.680751	0.055423	6.000000	-20.000000	20.000000
28	0.250413	0.107703	2.325041	0.260299	-2.065757	0.080937	0.503561	-0.69382	0.056331	6.000000	-20.000000	25.000000
29	0.238982	0.110075	2.171080	0.249179	-2.082855	0.084492	0.517305	-0.722264	0.059225	6.000000	-20.000000	30.000000
30	0.252820	0.117947	2.143507	0.263764	-2.130188	0.090874	0.528424	-0.729003	0.060361	6.000000	-20.000000	35.000000
31	0.358355	0.127632	2.807720	0.375074	-3.059763	0.063465	0.291024	-0.930473	0.047544	10.000000	-20.000000	0.000000
32	0.354064	0.123197	2.873974	0.370078	-3.024093	0.059842	0.280083	-0.92655	0.049128	10.000000	-20.000000	15.000000
33	0.361399	0.127695	2.830173	0.378082	-3.060241	0.062999	0.294858	-0.949504	0.050663	10.000000	-20.000000	20.000000
34	0.353329	0.127090	2.803748	0.372985	-3.065191	0.063284	0.293656	-0.929726	0.049833	10.000000	-20.000000	25.000000
35	0.357111	0.130910	2.732498	0.375009	-3.005047	0.066805	0.324745	-0.949767	0.052668	10.000000	-20.000000	30.000000
36	0.370867	0.132631	2.796235	0.388264	-3.103257	0.066216	0.313722	-0.952952	0.052770	10.000000	-20.000000	35.000000
37	0.524009	0.159176	3.292004	0.517352	-4.515501	0.018129	-0.116650	-1.266686	0.022611	15.000000	-20.000000	0.000000
38	0.509868	0.152362	3.344424	0.531929	-4.526144	0.015207	-0.127919	-1.269031	0.024444	15.000000	-20.000000	15.000000
39	0.51046	0.158656	3.258911	0.50491	-4.484837	0.019429	-0.106631	-1.239417	0.027377	15.000000	-20.000000	20.000000
40	0.526391	0.15923	3.299787	0.549742	-4.614246	0.017847	-0.107558	-1.307807	0.028104	15.000000	-20.000000	25.000000
41	0.515888	0.155909	3.303904	0.538662	-4.512845	0.017075	-0.086113	-1.274940	0.027973	15.000000	-20.000000	30.000000
42	0.543843	0.169267	3.212933	0.569121	-4.656736	0.022742	-0.096705	-1.295275	0.029245	15.000000	-20.000000	35.000000

RUN # E7527, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
43	0.678859	0.219584	3.091574	0.713021	-5.941439	-0.025842	-0.650962	-1.581781	-0.010991	20.000000	-20.000000	0.000000
44	0.680876	0.214131	3.179711	0.713051	-5.857328	-0.031655	-0.651891	-1.563558	-0.011740	20.000000	-20.000000	15.000000
45	0.680724	0.215819	3.154140	0.713485	-5.899323	-0.030017	-0.659905	-1.573343	-0.009827	20.000000	-20.000000	20.000000
46	0.673619	0.211634	3.182934	0.705378	-5.791061	-0.031520	-0.638648	-1.570197	-0.009357	20.000000	-20.000000	25.000000
47	0.665093	0.211598	3.143193	0.697354	-5.812300	-0.028638	-0.612404	-1.551623	-0.006394	20.000000	-20.000000	30.000000
48	0.695579	0.221539	3.139762	0.729401	-5.916572	-0.029723	-0.630438	-1.600854	-0.008633	20.000000	-20.000000	35.000000
49	0.779759	0.275225	2.8333174	0.823016	-6.830584	-0.080102	-1.011976	-1.771301	-0.041669	25.000000	-20.000000	0.000000
50	0.782581	0.274308	2.852925	0.825187	-6.827003	-0.082125	-1.012824	-1.779401	-0.042514	25.000000	-20.000000	15.000000
51	0.787516	0.277068	2.842318	0.830826	-6.767590	-0.081709	-0.985160	-1.760210	-0.042462	25.000000	-20.000000	20.000000
52	0.802921	0.284201	2.825202	0.847802	-6.898369	-0.081755	-1.015292	-1.812665	-0.041341	25.000000	-20.000000	25.000000
53	0.818281	0.289193	2.829533	0.863833	-7.014235	-0.083722	-1.001708	-1.832338	-0.039705	25.000000	-20.000000	30.000000
54	0.832978	0.289516	2.877135	0.877289	-7.167039	-0.089640	-1.045146	-1.834767	-0.042110	25.000000	-20.000000	35.000000
55	0.806279	0.364948	2.209297	0.880732	-7.185246	-0.087085	-0.944879	-1.823353	-0.038965	30.000000	-20.000000	0.000000
56	0.856185	0.381611	2.243608	0.932283	-7.481596	-0.097608	-0.945651	-1.947735	-0.041226	30.000000	-20.000000	15.000000
57	0.881862	0.389204	2.265808	0.958317	-7.6393679	-0.103870	-1.028632	-1.975614	-0.043168	30.000000	-20.000000	20.000000
58	0.902457	0.400814	2.251559	0.981958	-7.914247	-0.104113	-1.184340	-2.034889	-0.045050	30.000000	-20.000000	25.000000
59	0.915011	0.397181	2.3030763	0.991014	-7.979878	-0.113536	-1.227474	-2.075391	-0.047077	30.000000	-20.000000	30.000000
60	0.934714	0.403979	2.313769	1.011476	-8.210060	-0.117501	-1.284167	-2.129823	-0.050704	30.000000	-20.000000	35.000000
61	0.828219	0.483898	1.7111556	0.955990	-7.606941	-0.078660	-0.947488	-1.931823	-0.027891	35.000000	-20.000000	0.000000
62	0.877985	0.489280	1.794442	0.999843	-7.864022	-0.102796	-1.057565	-2.063740	-0.033517	35.000000	-20.000000	15.000000
63	0.889342	0.493633	1.801627	1.011643	-8.181834	-0.105745	-1.140385	-2.063866	-0.036941	35.000000	-20.000000	20.000000
64	0.897954	0.490770	1.829685	1.017055	-8.443768	-0.113030	-1.232608	-2.173471	-0.044287	35.000000	-20.000000	25.000000
65	0.970496	0.525137	1.848082	1.096190	-8.874940	-0.126486	-1.360109	-2.278451	-0.050342	35.000000	-20.000000	30.000000
66	1.004019	0.543432	1.847552	1.134144	-9.155151	-0.130728	-1.435210	-2.349365	-0.053336	35.000000	-20.000000	35.000000
67	0.766274	0.553008	1.385646	0.942466	-7.588539	-0.068922	-0.842964	-1.960454	-0.017601	40.000000	-20.000000	0.000000
68	0.819656	0.584016	1.403982	1.003292	-7.945749	-0.079482	-0.923349	-2.048068	-0.019224	40.000000	-20.000000	15.000000
69	0.841947	0.597155	1.409929	1.028813	-8.191372	-0.083745	-0.972059	-2.129691	-0.020357	40.000000	-20.000000	20.000000
70	0.885750	0.621861	1.124355	1.078248	-8.480347	-0.092976	-1.046841	-2.175234	-0.025918	40.000000	-20.000000	25.000000
71	0.940571	0.640753	1.467916	1.132387	-8.980060	-0.113742	-1.180670	-2.308280	-0.031758	40.000000	-20.000000	30.000000
72	0.949543	0.653413	1.453205	1.147397	-9.207675	-0.109811	-1.261803	-2.373802	-0.037867	40.000000	-20.000000	35.000000
73	0.732262	0.626115	1.169534	0.960518	-7.631829	-0.075057	-0.792774	-1.980211	-0.009213	45.000000	-20.000000	0.000000
74	0.770057	0.661412	1.164262	1.012202	-7.952984	-0.076823	-0.836811	-2.075934	-0.004631	45.000000	-20.000000	15.000000
75	0.804580	0.69254	1.161422	1.058775	-8.305778	-0.079072	-0.883303	-2.174830	-0.004854	45.000000	-20.000000	20.000000
76	0.822549	0.718170	1.15341	1.089453	-8.506417	-0.073807	-0.917312	-2.236399	-0.006136	45.000000	-20.000000	25.000000
77	0.855884	0.717045	1.193627	1.112229	-8.760126	-0.098174	-0.959279	-2.280046	-0.005671	45.000000	-20.000000	30.000000
78	0.857686	0.733262	1.163686	1.124970	-8.819579	-0.087981	-0.979407	-2.302741	-0.007467	45.000000	-20.000000	35.000000
79	0.6668322	0.695190	0.961351	0.962136	-7.5930377	-0.065104	-0.751155	-2.005002	-0.000874	50.000000	-20.000000	0.000000
80	0.676930	0.716808	0.944367	0.944229	-7.665674	-0.057802	-0.708017	-2.064638	-0.007051	50.000000	-20.000000	15.000000
81	0.739378	0.759456	0.973163	1.057040	-8.251706	-0.078227	-0.756797	-2.197901	-0.006283	50.000000	-20.000000	20.000000
82	0.716556	0.750599	0.954558	1.035578	-8.222805	-0.066444	-0.74199	-2.191396	-0.009298	50.000000	-20.000000	25.000000
83	0.738034	0.767837	0.961186	1.062596	-8.442636	-0.071110	-0.765520	-2.263909	-0.007240	50.000000	-20.000000	30.000000
84	0.767828	0.7955633	0.965053	1.103041	-8.5505050	-0.076767	-0.803443	-2.289737	-0.007283	50.000000	-20.000000	35.000000

RUN # E7528, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.128573	0.108956	-1.180045	-0.139257	1.125980	0.091919	0.793524	0.174362	0.048645	-6.000000	-10.000000	0.000000
2	-0.128447	0.104484	-1.229353	-0.138665	1.154337	0.09485	0.752675	0.171945	0.044488	-6.000000	-10.000000	15.000000
3	-0.135615	0.106415	-1.274397	-0.145995	1.176137	0.09656	0.761637	0.181381	0.044535	-6.000000	-10.000000	20.000000
4	-0.131021	0.106041	-1.235553	-0.141387	1.162379	0.091765	0.762287	0.172308	0.044691	-6.000000	-10.000000	25.000000
5	-0.129702	0.107649	-1.204859	-0.140244	1.169667	0.09302	0.757640	0.180593	0.044436	-6.000000	-10.000000	30.000000
6	-0.129022	0.108709	-1.186857	-0.139678	1.179550	0.091627	0.784234	0.182950	0.042821	-6.000000	-10.000000	35.000000
7	-0.014195	0.097390	-0.145752	-0.019272	0.204091	0.096514	0.743184	-0.083718	0.052153	-3.000000	-10.000000	0.000000
8	-0.025047	0.094257	-0.265729	-0.029945	0.285456	0.092817	0.762541	-0.066104	0.049536	-3.000000	-10.000000	15.000000
9	-0.020268	0.090005	-0.225190	-0.024951	0.272650	0.088821	0.762194	-0.065679	0.051883	-3.000000	-10.000000	20.000000
10	-0.029425	0.099008	-0.297201	-0.034566	0.309411	0.097312	0.771947	-0.075321	0.049585	-3.000000	-10.000000	25.000000
11	-0.020983	0.094150	-0.222863	-0.025881	0.245659	0.092923	0.767493	-0.092618	0.049516	-3.000000	-10.000000	30.000000
12	-0.022041	0.091704	-0.240346	-0.026810	0.302156	0.090424	0.801567	-0.083542	0.052170	-3.000000	-10.000000	35.000000
13	0.098998	0.082803	1.195573	0.098998	-0.905480	0.082803	0.732033	-0.428650	0.058632	0.000000	-10.000000	0.000000
14	0.104390	0.086172	1.211413	0.104390	-0.80698	0.086172	0.795150	-0.419751	0.061050	0.000000	-10.000000	15.000000
15	0.100077	0.086589	1.155770	0.100077	-0.785720	0.086589	0.766339	-0.402471	0.060036	0.000000	-10.000000	20.000000
16	0.105863	0.089940	1.177033	0.105863	-0.806148	0.089940	0.767049	-0.425785	0.063695	0.000000	-10.000000	25.000000
17	0.099045	0.093080	1.064084	0.099045	-0.796063	0.093080	0.762244	-0.428608	0.062990	0.000000	-10.000000	30.000000
18	0.110588	0.095637	1.156340	0.110588	-0.805190	0.095637	0.773045	-0.425814	0.065624	0.000000	-10.000000	35.000000
19	0.254806	0.101976	2.498689	0.259793	-2.076679	0.088500	0.670761	-0.777514	0.071908	3.000000	-10.000000	0.000000
20	0.247705	0.100357	2.468241	0.252618	-2.022619	0.087256	0.6723860	-0.759401	0.071987	3.000000	-10.000000	15.000000
21	0.263223	0.102297	2.573134	0.268216	-2.078065	0.088380	0.694627	-0.779062	0.073496	3.000000	-10.000000	20.000000
22	0.255782	0.110794	2.308637	0.261230	-2.054907	0.097255	0.706205	-0.786172	0.073078	3.000000	-10.000000	25.000000
23	0.254514	0.109053	2.333862	0.259873	-2.030052	0.095583	0.718207	-0.765486	0.074992	3.000000	-10.000000	30.000000
24	0.274502	0.111902	2.453069	0.279983	-2.129437	0.097382	0.748325	-0.824833	0.077202	3.000000	-10.000000	35.000000
25	0.354688	0.114211	3.105537	0.364683	-2.970311	0.076511	0.562578	-0.990308	0.071974	6.000000	-10.000000	0.000000
26	0.353723	0.115118	3.072713	0.363819	-2.925730	0.077513	0.569639	-0.995567	0.072256	6.000000	-10.000000	15.000000
27	0.359218	0.115208	3.118520	0.369533	-2.957190	0.077022	0.561934	-0.971736	0.065801	6.000000	-10.000000	20.000000
28	0.372546	0.121307	3.071094	0.380185	-3.041323	0.081701	0.625543	-0.930099	0.077997	6.000000	-10.000000	25.000000
29	0.372265	0.118119	3.151609	0.382573	-3.044840	0.078560	0.648954	-1.056239	0.077501	6.000000	-10.000000	30.000000
30	0.376669	0.119923	3.140416	0.387081	-3.073811	0.079900	0.652938	-1.054192	0.080423	6.000000	-10.000000	35.000000
31	0.487559	0.138221	3.527397	0.504154	-4.108445	0.051457	0.389697	-1.290320	0.062700	10.000000	-10.000000	0.000000
32	0.497196	0.138768	3.570022	0.641367	-5.308113	0.007255	-0.072727	-1.595918	0.034329	15.000000	-10.000000	15.000000
33	0.511950	0.142162	3.586039	0.533739	-4.108956	0.050323	0.382178	-1.274898	0.062700	10.000000	-10.000000	15.000000
34	0.479359	0.136736	3.505733	0.528963	-3.9719537	0.051694	0.357504	-1.242259	0.061194	10.000000	-10.000000	20.000000
35	0.476930	0.139402	3.421250	0.495321	-3.992568	0.051419	0.407477	-1.256988	0.064293	10.000000	-10.000000	25.000000
36	0.468085	0.140269	3.3337037	0.485331	-3.968942	0.054466	0.407073	-1.242647	0.064137	10.000000	-10.000000	30.000000
37	0.638267	0.187452	3.404965	0.665035	-5.374775	0.015869	-0.064191	-1.559449	0.038123	15.000000	-10.000000	0.000000
38	0.617635	0.173006	3.428833	0.660311	-5.345567	0.007255	-0.072727	-1.595918	0.034329	15.000000	-10.000000	15.000000
39	0.634055	0.184919	3.415923	0.660311	-5.345567	0.014513	-0.038449	-1.544809	0.038290	15.000000	-10.000000	20.000000
40	0.611818	0.179048	3.415923	0.637327	-5.294070	0.014655	-0.020501	-1.562276	0.040574	15.000000	-10.000000	25.000000
41	0.622319	0.177175	3.512453	0.646970	-5.233315	0.010070	-0.018455	-1.557636	0.040202	15.000000	-10.000000	30.000000
42	0.647929	0.184272	3.516157	0.673544	-5.431928	0.010297	-0.011959	-1.617884	0.044578	15.000000	-10.000000	35.000000

RUN # F7528, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CRM	CA	ALPHA	FLAP	PJET
43	0.800148	0.244082	3.278189	0.835375	-6.937896	-0.044304	-0.627459	-1.807520	-0.004696	20.000000	-10.000000
44	0.707445	0.207536	3.408782	0.735763	-6.237594	-0.046940	-0.621754	-1.821781	-0.0023	20.000000	-10.000000
45	0.765698	0.226124	3.386191	0.796860	-6.595993	-0.049397	-0.607496	-1.852522	-0.006520	20.000000	-10.000000
46	0.783095	0.245331	3.191994	0.819776	-6.654835	-0.037298	-0.588676	-1.817787	0.007152	20.000000	-10.000000
47	0.773170	0.240533	3.210401	0.808912	-6.573155	-0.038131	-0.580937	-1.857257	0.000059	20.000000	-10.000000
48	0.813213	0.249466	3.2598818	0.849493	-6.724247	-0.043714	-0.598170	-1.904935	0.001087	20.000000	-10.000000
49	0.860256	0.314786	2.732826	0.912691	-7.423259	-0.078266	-0.883475	-1.981159	-0.024933	25.000000	-10.000000
50	0.863416	0.320112	2.697231	0.917806	-7.485715	-0.074775	-0.893074	-1.979147	-0.02065	25.000000	-10.000000
51	0.857899	0.313354	2.737797	0.909449	-7.445671	-0.078568	-0.866862	-1.962730	-0.024522	25.000000	-10.000000
52	0.870175	0.323428	2.689892	0.925362	-7.444706	-0.074563	-0.876349	-1.980720	-0.02051	25.000000	-10.000000
53	0.881533	0.325150	2.710910	0.936367	-7.555513	-0.077839	-0.866217	-1.866217	-0.023226	25.000000	-10.000000
54	0.875527	0.330293	2.650763	0.933085	-7.621543	-0.070667	-0.879605	-1.979605	-0.023144	25.000000	-10.000000
55	0.829071	0.407824	2.032912	0.921909	-7.433977	-0.061349	-0.733568	-1.974585	-0.016775	30.000000	-10.000000
56	0.898711	0.424389	2.117656	0.990501	-7.908947	-0.081823	-0.833524	-2.069323	-0.017795	30.000000	-10.000000
57	0.869265	0.411890	2.110433	0.958751	-7.815816	-0.077925	-0.895866	-2.059810	-0.022687	30.000000	-10.000000
58	0.943557	0.450361	2.095113	1.042325	-8.159682	-0.081754	-0.965172	-2.187490	-0.02231	30.000000	-10.000000
59	0.943959	0.432698	2.181566	1.033841	-8.368080	-0.097252	-1.050080	-2.282763	-0.034066	30.000000	-10.000000
60	0.974703	0.455219	2.141176	1.071727	-8.686525	-0.093120	-1.076834	-2.275499	-0.031892	30.000000	-10.000000
61	0.821794	0.500420	1.642208	0.960204	-7.600136	-0.061441	-0.647440	-2.021197	-0.010050	35.000000	-10.000000
62	0.853745	0.510300	1.673025	0.992043	-8.030595	-0.071674	-0.775203	-2.139425	-0.018524	35.000000	-10.000000
63	0.893807	0.521460	1.714046	1.031262	-8.352030	-0.085511	-0.869858	-2.204344	-0.019647	35.000000	-10.000000
64	0.985502	0.576123	1.710575	1.137072	-8.888203	-0.093328	-1.006626	-2.317001	-0.028880	35.000000	-10.000000
65	1.013865	0.583960	1.736191	1.165455	-9.342180	-0.103177	-1.147839	-2.406800	-0.033349	35.000000	-10.000000
66	1.061813	0.602979	1.760944	1.215641	-9.641037	-0.115098	-1.194828	-2.506669	-0.037991	35.000000	-10.000000
67	0.813321	0.600315	1.354824	1.008915	-7.903773	-0.062924	-0.639627	-2.121410	-0.006879	40.000000	-10.000000
68	0.780434	0.562613	1.387159	0.959489	-7.798511	-0.076666	-0.70482	-2.099029	-0.011384	40.000000	-10.000000
69	0.843869	0.609334	1.384903	1.038113	-8.333118	-0.075651	-0.742895	-2.164522	-0.005081	40.000000	-10.000000
70	0.879418	0.646496	1.360284	1.089233	-8.635562	-0.070034	-0.791868	-2.264402	-0.011894	40.000000	-10.000000
71	0.926634	0.664718	1.394027	1.137115	-9.006400	-0.086425	-0.941986	-2.394368	-0.017472	40.000000	-10.000000
72	0.943301	0.662364	1.424144	1.148370	-9.237896	-0.098942	-1.032458	-2.467089	-0.021758	40.000000	-10.000000
73	0.741615	0.663459	1.117800	0.993538	-7.695374	-0.055264	-0.528522	-2.008004	0.006875	45.000000	-10.000000
74	0.745175	0.681368	1.093646	1.008719	-8.108524	-0.045118	-0.590128	-2.164522	0.003107	45.000000	-10.000000
75	0.816387	0.722794	1.129488	1.088365	-8.471168	-0.066180	-0.604169	-2.239114	0.007520	45.000000	-10.000000
76	0.845881	0.763403	1.108039	1.137936	-8.822000	-0.058320	-0.652121	-2.344934	0.009147	45.000000	-10.000000
77	0.819012	0.732829	1.117603	1.097317	-8.762359	-0.060940	-0.648854	-2.324679	0.007132	45.000000	-10.000000
78	0.853418	0.763101	1.118355	1.143052	-9.062216	-0.063863	-0.674175	-2.416633	0.008369	45.000000	-10.000000
79	0.693972	0.755974	0.917984	1.025186	-7.855972	-0.045682	-0.536905	-2.096238	0.011670	50.000000	-10.000000
80	0.690385	0.758408	0.910308	1.024745	-8.072694	-0.041370	-0.512805	-2.209029	0.016527	50.000000	-10.000000
81	0.726657	0.782978	0.928068	1.066882	-8.272847	-0.053362	-0.520014	-2.234826	0.018497	50.000000	-10.000000
82	0.732171	0.776574	0.942822	1.065521	-8.394368	-0.061703	-0.505950	-2.273345	0.017821	50.000000	-10.000000
83	0.777195	0.834520	0.931308	1.138850	-8.543736	-0.058946	-0.581637	-2.366301	0.017430	50.000000	-10.000000
84	0.845936	0.891025	1.132526	-8.700139	-0.033648	-0.477976	-2.388637	0.029345	50.000000	-10.000000	35.000000

CD

RUN # E7529, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.011256	0.102103	-0.110245	-0.021867	0.185714	0.100367	0.849862	-0.162795	0.063593	-6.000000	0.000000	0.000000
2	-0.025429	0.106149	-0.239559	-0.036385	0.29149	0.102910	0.866119	-0.150532	0.062110	-6.000000	0.000000	15.000000
3	-0.018329	0.104469	-0.17450	-0.029149	0.283898	0.101981	0.878097	-0.151003	0.065218	-6.000000	0.000000	20.000000
4	-0.022247	0.102268	-0.217535	-0.032815	0.333648	0.099382	0.88162	-0.141369	0.064834	-6.000000	0.000000	25.000000
5	-0.022282	0.110521	-0.201612	-0.033713	0.292068	0.107586	0.888931	-0.149503	0.064942	-6.000000	0.000000	30.000000
6	-0.024043	0.107889	-0.222849	-0.035189	0.322212	0.104785	0.897216	-0.139713	0.064597	-6.000000	0.000000	35.000000
7	0.143562	0.102808	1.396405	0.137984	-0.952093	0.110181	0.924986	-0.521307	0.074616	-3.000000	0.000000	0.000000
8	0.104818	0.104813	1.000047	0.099189	-0.800340	0.110156	0.923558	-0.478858	0.072668	-3.000000	0.000000	15.000000
9	0.113050	0.108358	1.043308	0.107225	-0.821073	0.114126	0.906176	-0.471684	0.072908	-3.000000	0.000000	20.000000
10	0.108742	0.107294	1.01396	0.102978	-0.768453	0.112838	0.914088	-0.480148	0.075110	-3.000000	0.000000	25.000000
11	0.098621	0.112870	0.873759	0.092579	-0.741699	0.117877	0.920985	-0.477492	0.074785	-3.000000	0.000000	30.000000
12	0.115978	0.114031	1.017071	0.109851	-0.767037	0.119945	0.936517	-0.486416	0.075435	-3.000000	0.000000	35.000000
13	0.297179	0.113539	2.617413	0.297179	-2.222600	0.112539	0.926932	-0.959018	0.090578	0.000000	0.000000	0.000000
14	0.266470	0.115206	2.312979	0.266450	-2.116785	0.115206	0.914502	-0.883219	0.087712	0.000000	0.000000	15.000000
15	0.271198	0.106218	2.553231	0.271198	-2.044582	0.106218	0.877877	-0.829666	0.085933	0.000000	0.000000	20.000000
16	0.276712	0.114400	2.418799	0.276712	-1.941038	0.114400	0.914339	-0.842907	0.088339	0.000000	0.000000	25.000000
17	0.276761	0.116354	2.378622	0.276761	-2.129885	0.116354	0.907437	-0.893902	0.093718	0.000000	0.000000	30.000000
18	0.260692	0.130952	1.990755	0.260692	-1.999557	0.130952	0.970446	-0.951152	0.094631	0.000000	0.000000	35.000000
19	0.407696	0.135359	3.011950	0.414221	-3.350592	0.112837	0.837992	-1.204462	0.097168	3.000000	0.000000	0.000000
20	0.395613	0.125741	3.14623	0.401632	-3.232335	0.108664	0.818694	-1.197714	0.096160	3.000000	0.000000	15.000000
21	0.401924	0.136756	2.938995	0.408530	-3.234666	0.115533	0.881227	-1.183093	0.102169	3.000000	0.000000	20.000000
22	0.384300	0.132798	2.893867	0.390723	-3.05584	0.112203	0.866200	-1.223039	0.097088	3.000000	0.000000	25.000000
23	0.402766	0.141063	2.855225	0.409597	-3.332288	0.119940	0.988888	-1.180390	0.102646	3.000000	0.000000	30.000000
24	0.408302	0.133072	3.068282	0.414707	-3.223319	0.111521	0.880034	-1.166356	0.101750	3.000000	0.000000	35.000000
25	0.484916	0.144542	3.354857	0.497369	-4.078101	0.093062	0.733498	-1.389245	0.094213	6.000000	0.000000	0.000000
26	0.500974	0.150690	3.324530	0.513981	-4.074800	0.097499	0.768112	-1.390653	0.098309	6.000000	0.000000	15.000000
27	0.484316	0.144258	3.357291	0.496742	-3.926487	0.092843	0.762795	-1.359185	0.097430	6.000000	0.000000	20.000000
28	0.447906	0.146752	3.052131	0.460792	-3.962159	0.099129	0.798472	-1.346566	0.097949	6.000000	0.000000	25.000000
29	0.454228	0.152114	2.986103	0.467640	-3.883998	0.103801	0.843124	-1.362327	0.100530	6.000000	0.000000	30.000000
30	0.487396	0.159687	3.052202	0.501418	-4.066735	0.107865	0.846244	-1.395573	0.103204	6.000000	0.000000	35.000000
31	0.588583	0.168496	3.493159	0.608900	-4.996047	0.063730	0.495699	-1.603724	0.079994	10.000000	0.000000	0.000000
32	0.588443	0.173356	3.394421	0.609606	-5.032864	0.068540	0.525597	-1.613148	0.081083	10.000000	0.000000	15.000000
33	0.593114	0.175818	3.373444	0.614634	-5.024365	0.070154	0.519644	-1.613801	0.081194	10.000000	0.000000	20.000000
34	0.52135	0.184040	3.217429	0.615098	-5.025607	0.078421	0.539172	-1.610886	0.084533	10.000000	0.000000	25.000000
35	0.591063	0.185162	3.192149	0.614237	-4.980652	0.079712	0.561133	-1.598351	0.084776	10.000000	0.000000	30.000000
36	0.598633	0.186490	3.210000	0.621922	-5.004757	0.079705	0.592979	-1.582315	0.087918	10.000000	0.000000	35.000000
37	0.767035	0.241432	3.177026	0.803386	-6.409897	0.034682	0.665737	-1.916710	0.049547	15.000000	0.000000	0.000000
38	0.753800	0.236526	3.186970	0.789332	-6.410326	0.033369	0.668438	-1.899985	0.049413	15.000000	0.000000	15.000000
39	0.729307	0.225520	3.233895	0.762825	-6.240414	0.029077	0.693268	-1.771946	0.048320	15.000000	0.000000	20.000000
40	0.728865	0.233073	3.127197	0.764354	-6.196209	0.036487	0.699746	-1.833977	0.051075	15.000000	0.000000	25.000000
41	0.750714	0.244416	3.071462	0.788394	-6.387683	0.0413065	0.710365	-1.910575	0.058561	15.000000	0.000000	30.000000
42	0.748750	0.239225	3.129891	0.785153	-6.350306	0.037284	0.164799	-1.862067	0.058571	15.000000	0.000000	35.000000

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RUN # F7529, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CRM	CA	ALPHA	FLAP	PJET
43	0.882973	0.299146	2.951644	0.932037	-7.608284	-0.020889	-0.462599	-2.171685	0.014397	20.000000	0.000000
44	0.8772012	0.289242	3.014815	0.918350	-7.523594	-0.026447	-0.469914	-2.117494	0.011310	20.000000	0.000000
45	0.880054	0.300618	2.927192	0.929808	-7.625322	-0.018479	-0.482993	-2.143714	0.011951	20.000000	0.000000
46	0.866532	0.291534	2.972321	0.913984	-7.438086	-0.022419	-0.455679	-2.111219	0.013032	20.000000	0.000000
47	0.872659	0.300351	2.903631	0.922822	-7.541667	-0.016051	-0.422314	-2.123395	0.016837	20.000000	0.000000
48	0.871366	0.295247	2.951317	0.919795	-7.498185	-0.020583	-0.409897	-2.150112	0.016467	20.000000	0.000000
49	0.901659	0.373826	2.411975	0.975166	-7.838930	-0.042256	-0.587603	-2.116688	-0.005313	25.000000	0.000000
50	0.887690	0.364526	2.435189	0.958575	-7.772505	-0.044781	-0.591582	-2.112550	-0.007809	25.000000	0.000000
51	0.887862	0.367563	2.415538	0.960015	-7.660057	-0.042101	-0.600205	-2.100395	-0.008309	25.000000	0.000000
52	0.906456	0.368061	2.462278	0.977077	-7.825993	-0.049508	-0.564861	-2.106232	-0.004098	25.000000	0.000000
53	0.897680	0.366095	2.452039	0.968293	-7.887033	-0.047581	-0.576975	-2.126145	-0.004491	25.000000	0.000000
54	0.937099	0.383118	2.445981	1.011213	-8.124598	-0.048812	-0.605426	-2.235945	-0.005230	25.000000	0.000000
55	0.843656	0.456078	1.849808	0.958667	-7.751075	-0.026853	-0.396618	-2.096484	0.004533	30.000000	0.000000
56	0.851274	0.445995	1.908707	0.960222	-7.852402	-0.039394	-0.470669	-2.099075	0.001075	30.000000	0.000000
57	0.872223	0.459610	1.897747	0.985173	-8.024233	-0.038077	-0.500903	-2.162890	-0.001086	30.000000	0.000000
58	0.939369	0.489617	1.918581	1.058326	-8.488040	-0.045664	-0.616973	-2.280695	-0.006146	30.000000	0.000000
59	0.975091	0.497428	1.960266	1.093168	-8.841470	-0.056760	-0.709685	-2.372213	-0.009979	30.000000	0.000000
60	1.005089	0.499661	2.0111542	1.120263	-9.027667	-0.069825	-0.768598	-2.436609	-0.013887	30.000000	0.000000
61	0.847945	0.557697	1.520441	1.014478	-8.047793	-0.029522	-0.376139	-2.175392	0.008576	35.000000	0.000000
62	0.855423	0.557196	1.535227	1.020316	-8.055942	-0.034221	-0.419271	-2.185676	0.004673	35.000000	0.000000
63	0.882335	0.557284	1.540260	1.051339	-8.334950	-0.036836	-0.470803	-2.237486	0.004055	35.000000	0.000000
64	0.950863	0.603913	1.574504	1.125292	-8.949579	-0.050696	-0.599598	-2.364555	-0.01616	35.000000	0.000000
65	1.002527	0.611992	1.638138	1.172247	-9.368108	-0.073711	-0.733948	-2.498741	-0.013828	35.000000	0.000000
66	1.024845	0.628464	1.630714	1.199976	-9.618987	-0.073019	-0.830581	-2.536695	-0.016953	35.000000	0.000000
67	0.755020	0.602997	1.252111	0.965978	-7.743623	-0.023394	-0.423397	-2.080703	0.011586	40.000000	0.000000
68	0.799755	0.647243	1.235633	1.028688	-8.114654	-0.018255	-0.365355	-2.184500	0.017230	40.000000	0.000000
69	0.824531	0.676258	1.219255	1.066318	-8.393935	-0.011954	-0.368599	-2.235639	0.015323	40.000000	0.000000
70	0.859603	0.674502	1.274426	1.092056	-8.617380	-0.035843	-0.462950	-2.318180	0.010017	40.000000	0.000000
71	0.888217	0.697186	1.274002	1.128556	-8.988016	-0.036858	-0.521319	-2.406794	0.008756	40.000000	0.000000
72	0.930680	0.714835	1.301951	1.172430	-9.255991	-0.050634	-0.657072	-2.504680	0.000326	40.000000	0.000000
73	0.722506	0.704298	1.025852	1.008903	-7.975594	-0.012874	-0.277861	-2.103150	0.024722	45.000000	0.000000
74	0.763494	0.739426	1.032549	1.062724	-8.375959	-0.017018	-0.260103	-2.243258	0.027567	45.000000	0.000000
75	0.778889	0.746350	1.043597	1.078507	-8.564145	-0.023007	-0.317389	-2.315188	0.028020	45.000000	0.000000
76	0.808084	0.772796	1.045663	1.117851	-8.819357	-0.024952	-0.324358	-2.358044	0.027816	45.000000	0.000000
77	0.821916	0.770623	1.066561	1.126095	-8.952136	-0.036269	-0.412948	-2.415396	0.023523	45.000000	0.000000
78	0.837008	0.785343	1.065786	1.147175	-9.043676	-0.036531	-0.388400	-2.436948	0.025722	45.000000	0.000000
79	0.626404	0.734786	0.852498	0.965523	-7.786166	-0.007541	-0.202815	-2.244168	0.033505	50.000000	0.000000
80	0.652867	0.771847	0.845850	1.010924	-8.159314	-0.003991	-0.202999	-2.193846	0.028624	50.000000	0.000000
81	0.712553	0.814212	0.875144	1.081743	-8.401720	-0.022481	-0.217081	-2.252686	0.030474	50.000000	0.000000
82	0.693403	0.815466	0.857672	1.074251	-8.448673	-0.011601	-0.232938	-2.271502	0.033618	50.000000	0.000000
83	0.723907	0.838175	0.863670	1.107398	-8.657213	-0.015775	-0.240818	-2.352438	0.035210	50.000000	0.000000
84	0.727906	0.848695	0.857676	1.118027	-8.723807	-0.012076	-0.218080	-2.381277	0.039241	50.000000	0.000000

RUN # F7542, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	PJET
1	0.873670	0.630955	1.384677	1.074840	-8.644904	-0.078244	-0.891336	-1.894891	0.004967	40.000000	0.000000	0.000000
2	0.909181	0.644214	1.411303	1.110565	-8.715890	-0.090913	-0.946259	-1.059122	0.004508	40.000000	0.000000	10.000000
3	0.907510	0.661860	1.371151	1.120628	-8.861600	-0.076322	-0.909931	-1.955490	0.006973	40.000000	0.000000	15.000000
4	0.944960	0.687738	1.373865	1.165874	-9.191266	-0.080505	-0.958430	-2.021227	0.008697	40.000000	0.000000	20.000000
5	0.766593	0.684474	1.119974	1.026059	-8.194427	-0.058066	-0.763173	-1.794608	0.016138	45.000000	0.000000	0.000000
6	0.787227	0.703028	1.119766	1.053770	-8.350879	-0.059537	-0.812290	-1.825954	0.010653	45.000000	0.000000	10.000000
7	0.754013	0.674113	1.118118	1.010092	-8.399424	-0.056328	-0.800629	-1.880562	0.009722	45.000000	0.000000	15.000000
8	0.784548	0.706324	1.110748	1.054206	-8.506853	-0.055312	-0.803860	-1.900833	0.013417	45.000000	0.000000	20.000000
9	0.696689	0.758255	0.918805	1.028680	-8.338839	-0.046297	-0.764095	-1.926625	0.027548	50.000000	0.000000	0.000000
10	0.681345	0.745017	0.914536	1.008676	-8.339294	-0.043052	-0.743712	-1.889146	0.025302	50.000000	0.000000	10.000000
11	0.695534	0.772053	0.900888	1.038508	-8.368040	-0.036543	-0.748773	-1.921005	0.028171	50.000000	0.000000	15.000000
12	0.718319	0.796338	0.902028	1.071157	-8.579497	-0.038387	-0.774610	-1.941679	0.027161	50.000000	0.000000	20.000000

RUN # E7543, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	P-JET
1	0.898881	0.778126	1.155187	1.188752	-9.240509	0.018290	0.022298	-2.189118	0.059070	40.000000	30.000000	0.000000
2	0.900884	0.785615	1.146687	1.195077	-9.260843	0.022759	0.015406	-2.208979	0.059560	40.000000	30.000000	10.000000
3	0.908123	0.789012	1.151113	1.203028	-9.391265	0.026114	0.004980	-2.227907	0.060223	40.000000	30.000000	15.000000
4	0.931206	0.805216	1.156512	1.230335	-9.649425	0.018272	-0.016552	-2.255459	0.061940	40.000000	30.000000	20.000000
5	0.790909	0.847455	0.933331	1.158463	-9.144898	0.039949	0.104018	-2.190039	0.065252	45.000000	30.000000	0.000000
6	0.786310	0.858648	0.915800	1.163189	-9.240670	0.051123	0.133953	-2.199956	0.066500	45.000000	30.000000	10.000000
7	0.777199	0.854389	0.909006	1.154668	-9.180145	0.051469	0.117500	-2.171889	0.066127	45.000000	30.000000	15.000000
8	0.800779	0.877158	0.91224	1.186481	-9.36245	0.051009	0.128597	-2.219646	0.067784	45.000000	30.000000	20.000000
9	0.682321	0.912361	0.747864	1.137497	-9.115462	0.061766	0.215565	-2.255371	0.083385	50.000000	30.000000	0.000000
10	0.676321	0.915416	0.738996	1.135996	-9.022118	0.070340	0.199852	-2.203580	0.079753	50.000000	30.000000	10.000000
11	0.667008	0.903413	0.73821	1.120199	-8.922296	0.069145	0.221231	-2.187762	0.079303	50.000000	30.000000	15.000000
12	0.674301	0.913468	0.738177	1.133190	-9.075234	0.070622	0.223396	-2.223659	0.080525	50.000000	30.000000	20.000000

RUN # F7544, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CIM	CRM	CA	ALPHA	FLAP	PJET
1	0.640530	0.446195	1.435537	0.777483	-6.007272	-0.069919	-0.618436	-0.905706	-0.047817	40.000000	-30.000000	0.000000
2	0.637654	0.441669	1.433398	0.774299	-6.020158	-0.069240	-0.620777	-0.921940	-0.048466	40.000000	-30.000000	10.000000
3	0.648488	0.452836	1.432059	0.787848	-6.145153	-0.069947	-0.661135	-0.957729	-0.048177	40.000000	-30.000000	15.000000
4	0.659727	0.468387	1.406707	0.806839	-6.338806	-0.064799	-0.714455	-0.987997	-0.051961	40.000000	-30.000000	20.000000
5	0.529223	0.477092	1.109270	0.711572	-5.566319	-0.036862	-0.458982	-0.866577	-0.023433	45.000000	-30.000000	0.000000
6	0.539659	0.492045	1.096767	0.729525	-5.675361	-0.033668	-0.471478	-0.892710	-0.023038	45.000000	-30.000000	10.000000
7	0.554929	0.498934	1.112296	0.745172	-5.806010	-0.039615	-0.489347	-0.922236	-0.023247	45.000000	-30.000000	15.000000
8	0.578827	0.519538	1.113990	0.776704	-5.974328	-0.041881	-0.512226	-0.953553	-0.022396	45.000000	-30.000000	20.000000
9	0.506923	0.538055	0.942140	0.738018	-5.710987	-0.042470	-0.457289	-0.993958	-0.014544	50.000000	-30.000000	0.000000
10	0.508380	0.544138	0.934285	0.743615	-5.871140	-0.039676	-0.475634	-1.000437	-0.012992	50.000000	-30.000000	10.000000
11	0.527096	0.558793	0.943265	0.766876	-5.898002	-0.044589	-0.497742	-1.015043	-0.012394	50.000000	-30.000000	15.000000
12	0.529403	0.557864	0.948982	0.767642	-5.963860	-0.046958	-0.524027	-1.042388	-0.015506	50.000000	-30.000000	20.000000

RUN # E7545, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.637190	0.364936	1.746031	0.722692	-5.703396	-0.130020	-1.329850	1.040607	-0.104693	40.000000	-30.000000	0.000000
2	0.676798	0.391835	1.727251	0.770324	-6.026152	-0.134873	-1.347679	-1.090256	-0.114447	40.000000	-30.000000	10.000000
3	0.691496	0.390456	1.770997	0.780697	-6.240012	-0.145378	-1.447501	-1.137191	-0.116564	40.000000	-30.000000	15.000000
4	0.708462	0.404854	1.749919	0.802949	-6.407876	-0.145254	-1.470190	-1.184775	-0.111288	40.000000	-30.000000	20.000000
5	0.617966	0.433164	1.426633	0.743262	-5.950160	-0.130674	-1.347604	-1.073301	0.103724	45.000000	-30.000000	0.000000
6	0.650409	0.457049	1.423063	0.783091	-6.329281	-0.136726	-1.434110	-1.146007	-0.107428	45.000000	-30.000000	10.000000
7	0.648102	0.463653	1.397817	0.786129	-6.304470	-0.130425	-1.466700	-1.152009	-0.108673	45.000000	-30.000000	15.000000
8	0.709243	0.511731	1.385969	0.863359	-6.968378	-0.139662	-1.600841	-1.291937	-0.117378	45.000000	-30.000000	20.000000
9	0.594968	0.491598	1.210272	0.759024	-6.172194	-0.139778	-1.516514	-1.158832	-0.106657	50.000000	-30.000000	0.000000
10	0.629725	0.533047	1.181368	0.813117	-6.375162	-0.139760	-1.518095	-1.205757	-0.103762	50.000000	-30.000000	10.000000
11	0.659797	0.539003	1.224107	0.837009	-6.649510	-0.158969	-1.602279	-1.275087	0.110226	50.000000	-30.000000	15.000000
12	0.677845	0.562071	1.205978	0.866282	-6.906171	-0.157967	-1.659685	-1.325607	-0.113104	50.000000	-30.000000	20.000000

RUN # E7546, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.921357	0.556990	1.654170	1.063827	-8.318547	-0.165557	-1.595426	-1.984380	-0.069041	40.000000	0.000000	0.000000
2	0.930817	0.562894	1.653628	1.074869	-8.300504	-0.167115	-1.647407	-2.034582	-0.073304	40.000000	0.000000	10.000000
3	0.97049	0.591152	1.633279	1.127189	-8.791886	-0.168908	-1.681745	-2.112331	-0.071163	40.000000	0.000000	15.000000
4	0.949750	0.557882	1.702421	1.086150	-8.572272	-0.183124	-1.706807	-2.122478	-0.070290	40.000000	0.000000	20.000000
5	0.855876	0.615470	1.390607	1.040399	-8.187925	-0.169993	-1.611799	-1.977102	-0.068160	45.000000	0.000000	0.000000
6	0.860940	0.629379	1.367443	1.053603	-8.381525	-0.163526	-1.603040	-2.031745	-0.067272	45.000000	0.000000	10.000000
7	0.91334	0.660894	1.382119	1.113217	-8.636730	-0.178572	-1.673812	-2.075867	-0.069456	45.000000	0.000000	15.000000
8	0.897904	0.656031	1.368690	1.098798	-8.687110	-0.171029	-1.665461	-2.115855	-0.069322	45.000000	0.000000	20.000000
9	0.808159	0.712160	1.134799	1.065021	-8.498434	-0.161317	-1.654201	-2.056666	-0.071255	50.000000	0.000000	0.000000
10	0.814351	0.713854	1.140780	1.070299	-8.554148	-0.164972	-1.660563	-2.072156	-0.070691	50.000000	0.000000	10.000000
11	0.842943	0.741548	1.136734	1.109892	-8.782830	-0.169073	-1.703617	-2.127176	-0.074716	50.000000	0.000000	15.000000
12	0.855534	0.770029	1.111041	1.139803	-8.940509	-0.160411	-1.709229	-2.157126	-0.071639	50.000000	0.000000	20.000000

RUN # E7547, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.896268	0.684759	1.308881	1.126735	-8.769643	-0.051554	-0.541393	-2.238660	-0.012822	40.000000	30.000000	0.000000
2	0.916745	0.712148	1.287296	1.16027	-9.036062	-0.043735	-0.553490	-2.279158	-0.010758	40.000000	30.000000	10.000000
3	0.945567	0.735282	1.285992	1.196976	-9.214508	-0.044539	-0.605968	-2.376679	-0.013451	40.000000	30.000000	15.000000
4	0.913539	0.712890	1.281459	1.158049	-9.151236	-0.041106	-0.609032	-2.409452	-0.013274	40.000000	30.000000	20.000000
5	0.808789	0.746837	1.082951	1.099994	-8.871127	-0.043805	-0.597044	-2.295662	-0.017124	45.000000	30.000000	0.000000
6	0.832194	0.761246	1.093201	1.126732	-8.842010	-0.050168	-0.558779	-2.261436	-0.016593	45.000000	30.000000	10.000000
7	0.838816	0.763366	1.098840	1.132914	-9.049531	-0.053351	-0.629726	-2.318627	-0.020721	45.000000	30.000000	15.000000
8	0.843173	0.774438	1.088755	1.143824	-9.045544	-0.048603	-0.604470	-2.349705	-0.016255	45.000000	30.000000	20.000000
9	0.778158	0.849177	0.916368	1.150697	-9.014272	-0.050263	-0.586749	-2.307198	-0.012103	50.000000	30.000000	0.000000
10	0.792525	0.857611	0.924108	1.166393	-9.153461	-0.055847	-0.617203	-2.341937	-0.011893	50.000000	30.000000	10.000000
11	0.766760	0.842509	0.910092	1.138263	-9.022439	-0.045817	-0.609102	-2.307203	-0.011299	50.000000	30.000000	15.000000
12	0.778907	0.847391	0.919183	1.149811	-9.148434	-0.051985	-0.623930	-2.394997	-0.016010	50.000000	30.000000	20.000000

RUN # F7548, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	PJET
1	0.961283	0.564154	1.703938	1.099017	-8.744568	-0.185733	-1.666616	-2.085139	-0.071035	40.000000	0.000000	0.000000
2	0.985313	0.592237	1.6661852	1.135972	-8.905935	-0.179169	-1.670987	-2.105786	-0.070185	40.000000	0.000000	10.000000
3	0.998918	0.592711	1.685336	1.146203	-9.10936	-0.188048	-1.724502	-2.178669	-0.073444	40.000000	0.000000	15.000000
4	1.010656	0.607653	1.663213	1.164799	-9.347270	-0.184148	-1.753216	-2.220858	-0.072434	40.000000	0.000000	20.000000
5	0.864302	0.646588	1.336712	1.068360	-8.457987	-0.153946	-1.665402	-1.995070	-0.066260	45.000000	0.000000	0.000000
6	0.888013	0.664164	1.337039	1.091555	-8.691000	-0.158285	-1.684265	-2.091245	-0.067604	45.000000	0.000000	10.000000
7	0.900990	0.670834	1.343090	1.111447	-9.116172	-0.162745	-1.776127	-2.166681	-0.068738	45.000000	0.000000	15.000000
8	0.945036	0.716538	1.318928	1.174896	-9.314603	-0.161585	-1.816767	-2.210481	-0.069295	45.000000	0.000000	20.000000
9	0.813530	0.720910	1.128445	1.075192	-8.688838	-0.159794	-1.714108	-2.093735	-0.073456	50.000000	0.000000	0.000000
10	0.838542	0.747352	1.122016	1.111510	-9.078846	-0.161970	-1.777492	-2.177394	-0.071391	50.000000	0.000000	10.000000
11	0.810168	0.723728	1.119338	1.075174	-8.963973	-0.155421	-1.747784	-2.134598	-0.074840	50.000000	0.000000	15.000000
12	0.837480	0.736845	1.136575	1.102778	-9.086691	-0.167911	-1.786265	-2.218471	-0.075245	50.000000	0.000000	20.000000

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RUN # F7549. Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.901662	0.602014	1.497743	1.077681	-8.531679	-0.118407	-1.108601	-2.148141	-0.043416	40.000000	15.000000	0.000000
2	0.922686	0.61109	1.509362	1.099760	-8.727506	-0.124801	-1.161938	-2.217844	-0.042485	40.000000	15.000000	10.000000
3	0.962115	0.65295	1.474501	1.156431	-9.046714	-0.118588	-1.180996	-2.250800	-0.043333	40.000000	15.000000	15.000000
4	0.995587	0.668982	1.488212	1.192677	-9.290206	-0.127480	-1.216916	-2.321301	-0.041687	40.000000	15.000000	20.000000
5	0.859907	0.702552	1.223802	1.104897	-8.641024	-0.111195	-1.134588	-2.137192	-0.037886	45.000000	15.000000	0.000000
6	0.863397	0.685199	1.258965	1.095447	-8.722169	-0.125580	-1.176468	-2.190111	-0.039620	45.000000	15.000000	10.000000
7	0.875427	0.697990	1.254212	1.112574	-8.910466	-0.125466	-1.205969	-2.240295	-0.038812	45.000000	15.000000	15.000000
8	0.890637	0.712063	1.250785	1.133280	-9.099606	-0.126270	-1.247765	-2.287281	-0.038099	45.000000	15.000000	20.000000
9	0.798923	0.771515	1.035525	1.104553	-8.758677	-0.116089	-1.171194	-2.203725	-0.038325	50.000000	15.000000	0.000000
10	0.829227	0.797748	1.039459	1.144127	-8.957508	-0.122441	-1.227753	-2.259565	-0.041045	50.000000	15.000000	10.000000
11	0.828690	0.798337	1.038020	1.144234	-9.031300	-0.121651	-1.219129	-2.295792	-0.041812	50.000000	15.000000	15.000000
12	0.808277	0.771155	1.047731	1.110519	-8.981976	-0.123294	-1.244765	-2.287863	-0.046372	50.000000	15.000000	20.000000

RUN # F7550, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CN	CY	CY	CRM	CA	ALPHA	FLAP	PJET
1	0.810423	0.434190	1.863939	0.900298	-6.986449	-0.187860	-1.736851	-1.545766	-0.092685	40.000000-15.000000	0.000000	
2	0.841384	0.450137	1.666686	0.934265	-7.242396	-0.195546	-1.805902	-1.621214	-0.086610	40.000000-15.000000	10.000000	
3	0.845055	0.451889	1.870138	0.937849	-7.312508	-0.197049	-1.786950	-1.632967	-0.087818	40.000000-15.000000	15.000000	
4	0.908754	0.491164	1.849829	1.011924	-7.865414	-0.207805	-1.936767	-1.786439	-0.092444	40.000000-15.000000	20.000000	
5	0.773329	0.511497	1.503078	0.910631	-6.911800	-0.183021	-1.737114	-1.570457	-0.085303	45.000000-15.000000	0.000000	
6	0.789512	0.520195	1.516031	0.926548	-7.224051	-0.190032	-1.742199	-1.588543	-0.081299	45.000000-15.000000	10.000000	
7	0.831294	0.539124	1.540220	0.969456	-7.573019	-0.206170	-1.857859	-1.721016	-0.087500	45.000000-15.000000	15.000000	
8	0.850987	0.557420	1.522654	0.955894	-7.699894	-0.207583	-1.919194	-1.775572	-0.088814	45.000000-15.000000	20.000000	
9	0.744530	0.583189	1.275340	0.925783	-7.287260	-0.195090	-1.802659	-1.655525	-0.095082	50.000000-15.000000	0.000000	
10	0.757660	0.586671	1.292338	0.916125	-7.502399	-0.203553	-1.913250	-1.723518	-0.097894	50.000000-15.000000	10.000000	
11	0.754686	0.584559	1.291257	0.912825	-7.474249	-0.202440	-1.918340	-1.744014	-0.098341	50.000000-15.000000	15.000000	
12	0.782841	0.620186	1.262627	0.948291	-7.780761	-0.201042	-1.988951	-1.801267	-0.102229	50.000000-15.000000	20.000000	

RUN # E7552, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.021492	0.075355	0.285208	0.021492	-0.206635	0.075355	0.537286	-0.229943	0.056366	0.000000	0.000000	0.000000
2	0.019981	0.080450	0.248365	0.019981	-0.161494	0.080450	0.545938	-0.228661	0.056067	0.000000	0.000000	10.000000
3	0.013322	0.080680	0.165120	0.013322	-0.118169	0.080680	0.553548	-0.226271	0.055382	0.000000	0.000000	15.000000
4	0.008786	0.084606	0.103851	0.008786	-0.108212	0.084606	0.553182	-0.218950	0.053169	0.000000	0.000000	20.000000
5	0.347815	0.128719	2.702116	0.364883	-2.872267	0.066367	0.324846	-0.868043	0.059370	10.000000	0.000000	0.000000
6	0.346295	0.126990	2.726955	0.363086	-2.874900	0.064927	0.344710	-0.874147	0.064691	10.000000	0.000000	10.000000
7	0.323608	0.124875	2.591458	0.340376	-2.800071	0.066784	0.367510	-0.891318	0.064670	10.000000	0.000000	15.000000
8	0.328612	0.129641	2.5534794	0.346132	-2.822531	0.070608	0.373774	-0.892422	0.064794	10.000000	0.000000	20.000000
9	0.680777	0.217472	3.130406	0.714101	-5.747649	-0.028482	-0.487462	-1.478840	0.011692	20.000000	0.000000	0.000000
10	0.668647	0.214275	3.120513	0.701608	-5.714362	-0.027338	-0.494954	-1.501747	0.010970	20.000000	0.000000	10.000000
11	0.671791	0.217665	3.086350	0.705722	-5.690348	-0.025227	-0.500421	-1.495817	0.011552	20.000000	0.000000	15.000000
12	0.663448	0.214543	3.092374	0.696815	-5.647175	-0.025308	-0.462052	-1.473444	0.017134	20.000000	0.000000	20.000000
13	0.880706	0.367347	2.397475	0.946387	-7.708824	-0.122221	-1.291175	-1.812159	-0.051019	30.000000	0.000000	0.000000
14	0.912334	0.376306	2.424444	0.978257	-7.855556	-0.130276	-1.344332	-1.850461	-0.055587	30.000000	0.000000	10.000000
15	0.855214	0.350777	2.438055	0.916026	-7.552517	-0.123825	-1.298012	-1.824536	-0.048462	30.000000	0.000000	15.000000
16	0.901594	0.359455	2.508226	0.960530	-7.821902	-0.139500	-1.386345	-1.857257	-0.055988	30.000000	0.000000	20.000000
17	0.855129	0.433915	1.943852	0.952806	-7.630582	-0.130124	-1.249935	-1.837577	-0.047809	35.000000	0.000000	0.000000
18	0.880795	0.458923	1.919267	0.984732	-7.309073	-0.129275	-1.279215	-1.872532	-0.049401	35.000000	0.000000	10.000000
19	0.923127	0.475023	1.943329	1.028644	-8.089884	-0.140367	-1.354221	-1.880598	-0.051833	35.000000	0.000000	15.000000
20	0.912668	0.464567	1.964985	1.014243	-8.194516	-0.143048	-1.386663	-1.903054	-0.056842	35.000000	0.000000	20.000000
21	0.842830	0.545136	1.546092	0.996052	-7.899784	-0.124162	-1.224323	-1.851650	-0.046376	40.000000	0.000000	0.000000
22	0.851506	0.544302	1.564399	1.002162	-8.026380	-0.130377	-1.258183	-1.884239	-0.045988	40.000000	0.000000	10.000000
23	0.858647	0.546299	1.571753	1.008916	-8.062312	-0.133438	-1.320000	-1.877238	-0.048702	40.000000	0.000000	15.000000
24	0.879246	0.549630	1.599706	1.026837	-8.376057	-0.144127	-1.382328	-1.939804	-0.052807	40.000000	0.000000	20.000000
25	0.772703	0.601489	1.284651	0.971701	-7.925555	-0.121066	-1.250419	-1.859767	-0.039374	45.000000	0.000000	0.000000
26	0.785339	0.618645	1.269934	0.992979	-8.079241	-0.150867	-1.108104	-1.308566	-0.043366	45.000000	0.000000	10.000000
27	0.797204	0.622489	1.242494	1.006703	-8.249105	-0.120713	-1.348208	-1.912612	-0.045804	45.000000	0.000000	15.000000
28	0.825349	0.645553	1.292953	1.038883	-8.356343	-0.128760	-1.433799	-1.956549	-0.048106	45.000000	0.000000	20.000000
29	0.710267	0.682999	1.039923	0.979759	-8.062305	-0.105072	-1.216975	-1.931781	-0.025100	50.000000	0.000000	0.000000
30	0.734451	0.702222	1.038642	1.013924	-8.150867	-0.108104	-1.241606	-1.935293	-0.027641	50.000000	0.000000	10.000000
31	0.729331	0.696337	1.07492	1.002999	-8.201030	-0.111241	-1.253114	-1.941738	-0.030179	50.000000	0.000000	15.000000
32	0.754474	0.719359	1.098536	1.035899	-8.390001	-0.115411	-1.324686	-1.979495	-0.035812	50.000000	0.000000	20.000000
33	0.664026	0.773776	0.858164	1.014710	-8.494475	-0.100118	-1.246079	-2.055920	-0.016598	55.000000	0.000000	0.000000
34	0.663410	0.786455	0.843345	1.024743	-8.456644	-0.092341	-1.222652	-2.051897	-0.015376	55.000000	0.000000	10.000000
35	0.665161	0.781261	0.848338	1.023949	-8.563111	-0.095034	-1.260922	-2.091367	-0.018563	55.000000	0.000000	15.000000
36	0.683620	0.801905	0.852495	1.048991	-8.716517	-0.100034	-1.276856	-2.067914	-0.017598	55.000000	0.000000	20.000000

RUN # F7553, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.156707	0.077922	-2.011083	-0.156707	1.332370	0.077922	0.618863	0.294973	0.027233	0.000000-15.000000	0.000000	
2	-0.172634	0.082346	-2.036441	-0.172634	1.509132	0.082346	0.653082	0.336417	0.029535	0.000000-15.000000	10.000000	
3	-0.162921	0.074965	-2.173307	-0.162921	1.437428	0.074965	0.661860	0.324799	0.029893	0.000000-15.000000	15.000000	
4	-0.160009	0.077316	-2.063551	-0.160009	1.458955	0.077316	0.656165	0.325086	0.029760	0.000000-15.000000	20.000000	
5	0.109779	0.068910	1.593076	0.120078	-0.874458	0.048800	0.406285	-0.231430	0.031258	10.000000-15.000000	0.000000	
6	0.099566	0.065418	1.521919	0.109413	-0.844017	0.04735	0.410604	-0.220029	0.028284	10.000000-15.000000	10.000000	
7	0.100696	0.063414	1.588410	0.110188	-0.818919	0.045024	0.401056	-0.220199	0.030440	10.000000-15.000000	15.000000	
8	0.111178	0.068566	1.621549	0.121395	-0.872167	0.048215	0.425050	-0.229403	0.031445	10.000000-15.000000	20.000000	
9	0.436006	0.125118	3.482815	0.452529	-3.476309	-0.031485	-0.338526	-0.762874	-0.011278	20.000000-15.000000	0.000000	
10	0.450554	0.123820	3.638775	0.465132	-3.617034	-0.037745	-0.367521	-0.795136	-0.013207	20.000000-15.000000	10.000000	
11	0.457905	0.127555	3.590933	0.473003	-3.654196	-0.036788	-0.378940	-0.810237	-0.013304	20.000000-15.000000	15.000000	
12	0.444626	0.127995	3.474058	0.461985	-3.569367	-0.031805	-0.368522	-0.787504	-0.010589	20.000000-15.000000	20.000000	
13	0.713430	0.240113	2.971231	0.737905	-0.881202	-0.148771	-1.270008	-1.257862	-0.074166	30.000000-15.000000	0.000000	
14	0.743811	0.260461	2.855571	0.774390	-0.911482	-0.146340	-1.321848	-1.288559	-0.078358	30.000000-15.000000	10.000000	
15	0.733094	0.252406	2.904421	0.761081	-0.014561	-0.147956	-1.318319	-1.321642	-0.071156	30.000000-15.000000	15.000000	
16	0.725422	0.246799	2.939323	0.751634	-0.050145	-0.148977	-1.349581	-1.331897	-0.076181	30.000000-15.000000	20.000000	
17	0.740949	0.323698	2.289013	0.792616	-6.377235	-0.159833	-1.385638	-1.355466	-0.078540	35.000000-15.000000	0.000000	
18	0.758748	0.321224	2.362055	0.805776	-6.383983	-0.172068	-1.406360	-1.374882	-0.076570	35.000000-15.000000	10.000000	
19	0.781299	0.328195	2.380598	0.828248	-6.582928	-0.179293	-1.479003	-1.409287	-0.082074	35.000000-15.000000	15.000000	
20	0.785520	0.328359	2.392258	0.831799	-6.711489	-0.181579	-1.532676	-1.430465	-0.087527	35.000000-15.000000	20.000000	
21	0.755159	0.417799	1.807468	0.847041	-6.603547	-0.165353	-1.396797	-1.430292	-0.070298	40.000000-15.000000	0.000000	
22	0.778203	0.427744	1.819321	0.871087	-6.786508	-0.172548	-1.439131	-1.443750	-0.072063	40.000000-15.000000	10.000000	
23	0.782275	0.418333	1.869983	0.869983	-6.828166	-0.182375	-1.490561	-1.482504	-0.075698	40.000000-15.000000	15.000000	
24	0.833134	0.461396	1.805682	0.934797	-7.190678	-0.182078	-1.581162	-1.529852	-0.078678	40.000000-15.000000	20.000000	
25	0.729452	0.485679	1.501921	0.859228	-6.791950	-0.172373	-1.427419	-1.481354	-0.064828	45.000000-15.000000	0.000000	
26	0.759989	0.515331	1.474759	0.901787	-7.004078	-0.166789	-1.453722	-1.506534	-0.065661	45.000000-15.000000	10.000000	
27	0.781910	0.522699	1.495908	0.9242498	-7.156836	-0.183289	-1.55924	-0.071636	-0.075698	40.000000-15.000000	15.000000	
28	0.802115	0.543244	1.476529	0.951313	-7.285057	-0.183049	-1.588948	-1.557026	-0.073446	45.000000-15.000000	20.000000	
29	0.708458	0.585572	1.209856	0.903962	-7.021284	-0.166311	-1.440155	-1.584362	-0.054122	50.000000-15.000000	0.000000	
30	0.701592	0.576645	1.216678	0.892711	-7.043399	-0.166789	-1.453722	-1.578029	-0.056092	50.000000-15.000000	10.000000	
31	0.698481	0.575223	1.214278	0.889622	-7.096581	-0.165320	-1.477540	-1.575447	-0.058551	50.000000-15.000000	15.000000	
32	0.734393	0.605147	1.213577	0.935629	-7.337095	-0.173596	-1.525487	-1.597961	-0.059727	50.000000-15.000000	20.000000	
33	0.662364	0.646436	1.024639	0.909445	-7.193727	-0.171795	-1.410995	-1.650508	-0.040540	55.000000-15.000000	0.000000	
34	0.673894	0.668017	1.008798	0.933737	-7.277921	-0.168862	-1.418993	-1.664580	-0.039958	55.000000-15.000000	10.000000	
35	0.669429	0.658172	1.017103	0.923112	-7.334209	-0.170851	-1.422737	-1.653274	-0.040524	55.000000-15.000000	15.000000	
36	0.668606	0.665537	1.004597	0.928680	-7.396646	-0.165947	-1.443314	-1.683430	-0.043409	55.000000-15.000000	20.000000	

RUN # F7554, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.357047	0.139514	-2.559210	-0.357047	2.921066	0.139514	1.074277	0.840995	0.024510	0.000000-30.000000	0.000000	
2	-0.365243	0.134766	-2.710195	-0.365243	2.945042	0.134766	1.066805	0.819590	0.023892	0.000000-30.000000	10.000000	
3	-0.351066	0.134711	-2.604000	-0.351066	2.885154	0.134771	1.067334	0.823146	0.024307	0.000000-30.000000	15.000000	
4	-0.346450	0.139435	-2.484674	-0.346450	2.831942	0.139435	1.049707	0.811536	0.024168	0.000000-30.000000	20.000000	
5	0.029336	0.095313	0.307786	0.045441	-0.348653	0.088771	0.590637	-0.028367	0.030895	10.000000-30.000000	0.000000	
6	0.016637	0.096883	0.171772	0.033202	-0.251443	0.092493	0.613056	0.007691	0.028393	10.000000-30.000000	10.000000	
7	0.011113	0.094421	0.111795	0.027409	-0.182762	0.091451	0.623312	0.025409	0.027555	10.000000-30.000000	15.000000	
8	0.006063	0.097190	0.062381	0.022847	-0.172137	0.094660	0.630266	0.034323	0.027636	10.000000-30.000000	20.000000	
9	0.287024	0.119477	2.402328	0.310578	-2.483738	0.014104	-0.049187	-0.469031	-0.010684	20.000000-30.000000	0.000000	
10	0.297414	0.125526	2.369335	0.322411	-2.558182	0.016235	-0.061572	-0.467060	-0.012620	20.000000-30.000000	10.000000	
11	0.283477	0.119191	2.378338	0.307147	-2.436810	0.015048	-0.052791	-0.447776	-0.013424	20.000000-30.000000	15.000000	
12	0.275928	0.111790	2.468270	0.297522	-2.444887	0.010675	-0.045919	-0.451922	-0.013774	20.000000-30.000000	20.000000	
13	0.571571	0.218932	2.610721	0.604462	-4.754330	-0.096184	-0.996090	-0.876791	-0.078192	30.000000-30.000000	0.000000	
14	0.552564	0.204351	2.704000	0.580710	-4.662515	-0.099309	-1.011731	-0.885494	-0.076383	30.000000-30.000000	10.000000	
15	0.551592	0.199935	2.758850	0.577660	-4.729977	-0.102646	-1.055234	-0.886943	-0.082081	30.000000-30.000000	15.000000	
16	0.563793	0.208296	2.706690	0.592408	-4.798420	-0.101507	-1.083120	-0.907084	-0.084673	30.000000-30.000000	20.000000	
17	0.625832	0.291646	2.145861	0.679933	-5.322846	-0.120060	-1.180063	-0.957343	-0.097869	35.000000-30.000000	0.000000	
18	0.635781	0.299430	2.123306	0.692547	-5.324268	-0.119390	-1.209994	-0.963273	-0.097820	35.000000-30.000000	10.000000	
19	0.631691	0.293468	2.152504	0.685778	-5.426367	-0.121928	-1.216847	-0.964504	-0.097542	35.000000-30.000000	15.000000	
20	0.625993	0.282397	2.216712	0.674760	-5.438720	-0.127728	-1.258200	-0.999037	-0.099639	35.000000-30.000000	20.000000	
21	0.633315	0.369657	1.713251	0.722759	-5.590939	-0.123913	-1.234549	-1.030436	-0.092213	40.000000-30.000000	0.000000	
22	0.637406	0.364650	1.747995	0.722674	-5.713638	-0.130378	-1.278644	-1.038024	-0.091002	40.000000-30.000000	10.000000	
23	0.638367	0.361584	1.765470	0.721439	-5.762379	-0.133344	-1.311233	-1.056494	-0.095630	40.000000-30.000000	15.000000	
24	0.665235	0.373626	1.780483	0.749762	-5.967596	-0.141390	-1.372399	-1.097273	-0.098203	40.000000-30.000000	20.000000	
25	0.619922	0.436583	1.419941	0.747062	-5.877410	-0.129640	-1.323486	-1.132754	-0.088033	45.000000-30.000000	0.000000	
26	0.632260	0.439725	1.437855	0.758008	-5.902226	-0.136143	-1.342150	-1.110028	-0.086613	45.000000-30.000000	10.000000	
27	0.675592	0.471059	1.434199	0.810804	-6.165679	-0.144626	-1.435273	-1.164949	-0.093364	45.000000-30.000000	15.000000	
28	0.662495	0.449648	1.473364	0.786404	-6.255544	-0.150505	-1.475321	-1.179127	-0.092561	45.000000-30.000000	20.000000	
29	0.607715	0.506862	1.198976	0.778910	-6.088092	-0.139732	-1.306574	-1.197235	-0.073066	50.000000-30.000000	0.000000	
30	0.612929	0.504878	1.214233	0.780672	-6.211587	-0.145060	-1.342150	-1.206706	-0.079997	50.000000-30.000000	10.000000	
31	0.628983	0.511632	1.229366	0.796236	-6.221470	-0.152958	-1.407722	-1.235582	-0.074945	50.000000-30.000000	15.000000	
32	0.640690	0.529419	1.210175	0.817386	-6.353804	-0.150492	-1.404091	-1.233039	-0.077929	50.000000-30.000000	20.000000	
33	0.571248	0.576579	0.990755	0.799960	-6.295881	-0.137226	-1.373391	-1.275740	-0.061144	55.000000-30.000000	0.000000	
34	0.558931	0.555653	1.005900	0.775754	-6.285753	-0.139140	-1.352939	-1.262168	-0.058915	55.000000-30.000000	10.000000	
35	0.581106	0.579518	1.002741	0.808022	-6.413185	-0.143616	-1.405073	-1.302488	-0.058942	55.000000-30.000000	15.000000	
36	0.569892	0.567975	1.003375	0.792134	-6.391205	-0.141050	-1.419293	-1.290743	-0.063849	55.000000-30.000000	20.000000	

RUN # F7555, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CIM	CRM	CA	ALPHA	FLAP	PJET
1	0.323901	0.155170	2.087389	0.3233901	-2.497482	0.155170	1.241388	-1.066352	0.125106	0.000000	30.000000	0.000000
2	0.325844	0.164046	1.986296	0.325844	-2.489567	0.164046	1.248116	-1.085569	0.124828	0.000000	30.000000	10.000000
3	0.325723	0.157135	2.072884	0.325723	-2.516596	0.157135	1.267749	-1.059162	0.127756	0.000000	30.000000	15.000000
4	0.319121	0.163556	1.951144	0.319121	-2.444057	0.163556	1.268249	-1.065664	0.127175	0.000000	30.000000	20.000000
5	0.627643	0.249290	2.517723	0.661396	-5.204443	0.136514	0.989842	-1.659487	0.125119	10.000000	30.000000	0.000000
6	0.637401	0.255393	2.495764	0.672065	-5.278211	0.140830	1.021499	-1.698466	0.129416	10.000000	30.000000	10.000000
7	0.628750	0.257001	2.446484	0.663826	-5.330458	0.143916	1.026763	-1.704589	0.129979	10.000000	30.000000	15.000000
8	0.628073	0.258719	2.436100	0.663301	-5.330204	0.144839	1.022297	-1.693696	0.129639	10.000000	30.000000	20.000000
9	0.896892	0.354752	2.528226	0.964135	-7.631340	0.026602	0.073277	-2.113565	0.054444	20.000000	30.000000	0.000000
10	0.885987	0.357868	2.475738	0.954953	-7.864412	0.033261	0.017339	-2.199230	0.052419	20.000000	30.000000	10.000000
11	0.911925	0.362964	2.528971	0.986708	-7.894448	0.027126	0.040234	-2.201268	0.055928	20.000000	30.000000	15.000000
12	0.893224	0.358616	2.490756	0.962010	-7.838178	0.031488	0.032095	-2.172099	0.055286	20.000000	30.000000	20.000000
13	0.973204	0.531180	1.832156	1.108410	-8.874965	-0.026586	-0.452296	-2.214632	0.005218	30.000000	30.000000	0.000000
14	1.008397	0.545135	1.849811	1.145865	-9.058024	-0.032097	-0.501705	-2.270947	0.005342	30.000000	30.000000	10.000000
15	0.928305	0.499370	1.859500	1.053621	-8.770574	-0.031684	-0.501519	-2.249923	0.002399	30.000000	30.000000	15.000000
16	0.962556	0.521125	1.849711	1.094160	-8.773006	-0.029969	-0.505375	-2.159547	0.005881	30.000000	30.000000	20.000000
17	0.713555	0.588937	1.211958	0.922311	-7.718248	0.073151	0.156050	-1.675325	-0.004135	35.000000	35.000000	0.000000
18	0.730478	0.607035	1.203314	0.946336	-7.790662	0.078245	0.121227	-1.707919	-0.004080	35.000000	30.000000	10.000000
19	0.728724	0.603305	1.207885	0.942977	-7.839908	0.076221	0.093049	-1.717797	-0.009524	35.000000	30.000000	15.000000
20	0.736609	0.596331	1.235215	0.945442	-7.957450	0.063993	0.059646	-1.708653	-0.009557	35.000000	30.000000	20.000000
21	0.507032	0.642752	0.788845	0.801562	-7.067106	0.166463	0.725542	-1.422371	-0.12964	40.000000	30.000000	0.000000
22	0.538295	0.659830	0.815808	0.836488	-7.263357	0.15950	0.696202	-1.431126	-0.09876	40.000000	30.000000	10.000000
23	0.540075	0.655994	0.823293	0.835386	-7.250566	0.155567	0.660785	-1.434045	-0.014083	40.000000	30.000000	15.000000
24	0.558854	0.669478	0.834761	0.858439	-7.460906	0.153326	0.626432	-1.464577	-0.015221	40.000000	30.000000	20.000000
25	0.332501	0.802325	0.414421	0.802443	-7.141104	0.332217	1.444955	-1.655830	-0.033224	45.000000	30.000000	0.000000
26	0.351729	0.823029	0.427359	0.830679	-7.216508	0.333260	1.412780	-1.66093	-0.02869	45.000000	30.000000	10.000000
27	0.346406	0.827340	0.418699	0.829964	-7.257032	0.340072	1.398067	-1.655178	-0.037834	45.000000	30.000000	15.000000
28	0.358478	0.836216	0.428691	0.844776	-7.362679	0.337812	1.344059	-1.691161	-0.042462	45.000000	30.000000	20.000000
29	0.341447	0.661280	0.516343	0.726048	-6.697945	0.163499	0.506684	-1.144008	-0.026572	50.000000	30.000000	0.000000
30	0.329730	0.661539	0.498428	0.718715	-6.679234	0.172642	0.499050	-1.125088	-0.024872	50.000000	30.000000	10.000000
31	0.333608	0.648540	0.498980	0.704822	-6.682508	0.168976	0.501913	-1.114818	-0.027488	50.000000	30.000000	15.000000
32	0.324205	0.653157	0.496366	0.708742	-6.700834	0.171486	0.472494	-1.126019	-0.027190	50.000000	30.000000	20.000000
33	0.102911	0.68808	0.151204	0.616548	-6.171537	0.306082	1.140581	-0.914895	0.013044	55.000000	30.000000	0.000000
34	0.101034	0.682840	0.147962	0.617300	-6.264685	0.308899	1.107778	-0.937572	0.010284	55.000000	30.000000	10.000000
35	0.097668	0.671909	0.145360	0.606416	-6.163434	0.305386	1.098257	-0.924314	0.009489	55.000000	30.000000	15.000000
36	0.097501	0.687844	0.141749	0.639373	-6.313790	0.314664	1.096730	-0.919386	0.007962	55.000000	30.000000	20.000000

RUN # E7556, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.218339	0.083634	2.610651	0.218339	-1.510157	0.083634	0.727963	-0.746295	0.084023	0.000000	15.000000	0.000000
2	0.206736	0.082741	2.498603	0.206736	-1.474487	0.082741	0.749574	-0.739532	0.086035	0.000000	15.000000	10.000000
3	0.206716	0.084903	2.434448	0.206716	-1.462022	0.084903	0.747240	-0.721570	0.085262	0.000000	15.000000	15.000000
4	0.200537	0.082579	2.428417	0.200537	-1.406377	0.082579	0.753139	-0.711877	0.087297	0.000000	15.000000	20.000000
5	0.545462	0.153918	3.543846	0.5633903	-4.347717	0.056861	0.496503	-1.399233	0.091960	10.000000	15.000000	0.000000
6	0.552916	0.159617	3.464025	0.572233	-4.346414	0.061179	0.516320	-1.414246	0.092397	10.000000	15.000000	10.000000
7	0.546564	0.156432	3.493933	0.565425	-4.360616	0.059146	0.530950	-1.412633	0.092818	10.000000	15.000000	15.000000
8	0.544660	0.155376	3.505426	0.563366	-4.300115	0.058437	0.542587	-1.390502	0.092212	10.000000	15.000000	20.000000
9	0.873026	0.267570	3.262795	0.911890	-7.118819	-0.047159	-0.427168	-1.938688	0.026653	20.000000	15.000000	0.000000
10	0.876152	0.266097	3.292599	0.914324	-7.185162	-0.049612	-0.428702	-1.969799	0.026889	20.000000	15.000000	10.000000
11	0.874586	0.273000	3.203607	0.915214	-7.164799	-0.042589	-0.429115	-1.961193	0.029616	20.000000	15.000000	15.000000
12	0.876582	0.275768	3.178689	0.918036	-7.164164	-0.040671	-0.422533	-1.980215	0.029604	20.000000	15.000000	20.000000
13	0.627859	0.490598	1.279785	0.789041	-6.589649	0.110941	0.702340	-1.264303	-0.060125	30.000000	15.000000	0.000000
14	0.619469	0.492626	1.257485	0.782789	-6.693795	0.116892	0.676032	-1.275646	-0.060334	30.000000	15.000000	10.000000
15	0.620337	0.480177	1.291891	0.773136	-6.679868	0.105678	0.645042	-1.289782	-0.060630	30.000000	15.000000	15.000000
16	0.618989	0.482354	1.283268	0.777237	-6.841674	0.108236	0.579080	-1.336254	-0.064194	30.000000	15.000000	20.000000
17	0.574292	0.441318	1.301311	0.723562	-6.315364	0.032107	0.004917	-1.111997	-0.107287	35.000000	15.000000	0.000000
18	0.578697	0.448807	1.301007	0.729171	-6.352157	0.032438	-0.005896	-1.142108	-0.107487	35.000000	15.000000	10.000000
19	0.609911	0.456568	1.329771	0.762685	-6.439769	0.025881	-0.077845	-1.141349	-0.113032	35.000000	15.000000	15.000000
20	0.635196	0.467152	1.359720	0.788269	-6.673108	0.018335	-0.139732	-1.185952	-0.114801	35.000000	15.000000	20.000000
21	0.317073	0.566779	0.559429	0.607210	-5.503919	0.230368	1.329462	-0.757896	-0.089255	40.000000	15.000000	0.000000
22	0.311779	0.553263	0.563527	0.594467	-5.520407	0.223417	1.295027	-0.774351	-0.092252	40.000000	15.000000	10.000000
23	0.346223	0.583195	0.593665	0.640093	-5.622763	0.224206	1.224206	-0.785786	-0.094792	40.000000	15.000000	10.000000
24	0.348492	0.575352	0.605704	0.636789	-5.838457	0.216739	1.208827	-0.822751	-0.096972	40.000000	15.000000	20.000000
25	0.117975	0.625033	0.188750	0.525386	-5.144489	0.358545	2.121755	-0.560256	-0.060600	45.000000	15.000000	0.000000
26	0.138283	0.637364	0.216961	0.548465	-5.139407	0.352903	2.074648	-0.559917	-0.061282	45.000000	15.000000	10.000000
27	0.123593	0.626662	0.197224	0.530310	-5.174900	0.355724	2.116070	-0.553577	-0.063810	45.000000	15.000000	15.000000
28	0.133288	0.641030	0.207928	0.547526	-5.362906	0.359028	2.080059	-0.582740	-0.063232	45.000000	15.000000	20.000000
29	-0.034945	0.741791	-0.047109	0.545782	-5.293111	0.503584	2.840330	-0.631716	-0.095696	50.000000	15.000000	0.000000
30	-0.046669	0.723555	-0.064500	0.524276	-5.233431	0.500843	2.829850	-0.641514	-0.096775	50.000000	15.000000	10.000000
31	-0.036127	0.747498	-0.048331	0.549395	-5.244953	0.508158	2.844033	-0.641029	-0.095769	50.000000	15.000000	15.000000
32	-0.036652	0.742338	-0.049373	0.545104	-5.357461	0.505243	2.801003	-0.670512	-0.098989	50.000000	15.000000	20.000000
33	-0.185893	0.781523	-0.237859	0.533562	-5.422664	0.600538	3.226706	-0.794389	-0.058630	55.000000	15.000000	0.000000
34	-0.169680	0.813091	-0.208686	0.568720	-5.528457	0.605364	3.197917	-0.780859	-0.058981	55.000000	15.000000	10.000000
35	-0.11374	0.806292	-0.212546	0.562179	-5.505291	0.602852	3.211952	-0.800252	-0.059243	55.000000	15.000000	15.000000
36	-0.174289	0.805761	-0.216304	0.560072	-5.599034	0.604935	3.217866	-0.784665	-0.059122	55.000000	15.000000	20.000000

RUN # E7564, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.011109	0.087728	-0.126626	-0.011109	0.047453	0.087728	0.1474637	-0.144067	0.040021	0.000000	0.000000	
2	-0.014938	0.093957	-0.158992	-0.014938	0.082910	0.093957	0.459582	-0.134646	0.041974	0.000000	0.000000	10.000000
3	-0.036521	0.096749	-0.377480	-0.036521	0.185331	0.096749	0.469802	-0.107610	0.041173	0.000000	0.000000	15.000000
4	-0.029191	0.094528	-0.308807	-0.029191	0.167893	0.094528	0.467195	-0.106393	0.038481	0.000000	0.000000	20.000000
5	0.264114	0.104506	2.527260	0.278249	-2.308478	0.057056	0.2926260	-0.719014	0.046080	10.000000	0.000000	0.000000
6	0.264703	0.109538	2.416551	0.279703	-2.321957	0.061908	0.293989	-0.702669	0.048603	10.000000	0.000000	10.000000
7	0.263477	0.110949	2.374748	0.278740	-2.361247	0.063512	0.310128	-0.717605	0.049377	10.000000	0.000000	15.000000
8	0.262898	0.117333	2.240611	0.279279	-2.336118	0.066999	0.293872	-0.712387	0.046372	10.000000	0.000000	20.000000
9	0.590913	0.181811	3.250154	0.617459	-5.123579	-0.031258	-0.523785	-1.334108	-0.006727	20.000000	0.000000	0.000000
10	0.585334	0.184451	3.171669	0.613154	-5.069893	-0.026775	-0.506179	-1.319174	-0.003996	20.000000	0.000000	10.000000
11	0.595562	0.189675	3.139909	0.624518	-4.982276	-0.025158	-0.506638	-1.312757	-0.004273	20.000000	0.000000	15.000000
12	0.580561	0.183959	3.155923	0.608466	-5.060240	-0.025658	-0.496754	-1.305586	-0.003793	20.000000	0.000000	20.000000
13	0.799641	0.315829	2.531882	0.850424	-6.907593	-0.126305	-1.198291	-1.669578	-0.056464	30.000000	0.000000	0.000000
14	0.821712	0.332376	2.469565	0.877992	-7.102408	-0.122693	-1.224427	-1.698826	-0.053298	30.000000	0.000000	10.000000
15	0.837378	0.328144	2.551861	0.889262	-7.079881	-0.134508	-1.231795	-1.724546	-0.056163	30.000000	0.000000	15.000000
16	0.859585	0.340007	2.528141	0.914426	-7.340168	-0.135338	-1.277516	-1.759920	-0.052351	30.000000	0.000000	20.000000
17	0.802931	0.413805	1.940363	0.895072	-7.119258	-0.121573	-1.226289	-1.715547	-0.058916	35.000000	0.000000	0.000000
18	0.814001	0.415348	1.959803	0.905024	-7.163183	-0.126658	-1.224427	-1.685888	-0.055435	35.000000	0.000000	10.000000
19	0.837244	0.430096	1.946643	0.932523	-7.280250	-0.127909	-1.272078	-1.740424	-0.058233	35.000000	0.000000	15.000000
20	0.853641	0.432321	1.974553	0.947231	-7.536795	-0.135491	-1.314170	-1.791390	-0.063165	35.000000	0.000000	20.000000
21	0.763551	0.478222	1.596648	0.892309	-7.115571	-0.124462	-1.180221	-1.688481	-0.050264	40.000000	0.000000	0.000000
22	0.782830	0.492026	1.591034	0.915951	-7.274666	-0.126226	-1.218182	-1.723707	-0.052285	40.000000	0.000000	10.000000
23	0.820075	0.518126	1.582771	0.961259	-7.508669	-0.130226	-1.278334	-1.798960	-0.056689	40.000000	0.000000	15.000000
24	0.834769	0.520367	1.604193	0.973956	-7.752155	-0.137954	-1.347851	-1.822621	-0.059003	40.000000	0.000000	20.000000
25	0.754761	0.578355	1.305014	0.942656	-7.383705	-0.124462	-1.231479	-1.762220	-0.040580	45.000000	0.000000	0.000000
26	0.751862	0.577476	1.301979	0.939984	-7.394774	-0.123309	-1.232153	-1.768184	-0.0430361	45.000000	0.000000	10.000000
27	0.761160	0.584104	1.303123	0.951246	-7.498882	-0.125197	-1.258202	-1.793146	-0.042514	45.000000	0.000000	15.000000
28	0.772022	0.590585	1.307216	0.963508	-7.666026	-0.128295	-1.319992	-1.817067	-0.046894	45.000000	0.000000	20.000000
29	0.675357	0.645785	1.045808	0.928818	-7.445750	-0.102258	-1.202240	-1.775318	-0.026949	50.000000	0.000000	0.000000
30	0.683882	0.637349	1.073011	0.927829	-7.414592	-0.114204	-1.216481	-1.788199	-0.030842	50.000000	0.000000	10.000000
31	0.682887	0.668837	1.023100	0.952210	-7.548049	-0.094274	-1.209359	-1.782490	-0.026532	50.000000	0.000000	15.000000
32	0.704308	0.671341	1.049106	0.966998	-7.614874	-0.108001	-1.230761	-1.816883	-0.029453	50.000000	0.000000	20.000000
33	0.614724	0.724530	0.848444	0.946092	-7.579703	-0.087978	-1.165333	-1.887684	-0.013918	55.000000	0.000000	0.000000
34	0.637461	0.742988	0.857970	0.974253	-7.685265	-0.096017	-1.190773	-1.892497	-0.016223	55.000000	0.000000	10.000000
35	0.628890	0.733771	0.857065	0.961787	-7.646114	-0.094281	-1.226249	-1.930936	-0.017815	55.000000	0.000000	15.000000
36	0.633858	0.742604	0.853562	0.971871	-7.751798	-0.093286	-1.221577	-1.907903	-0.016717	55.000000	0.000000	20.000000
37	0.679254	0.656093	1.035301	0.939213	-7.534316	-0.098609	-1.243253	-1.887684	-0.031860	50.000000	0.000000	0.000000
38	0.673240	0.65510	1.026420	0.935207	-7.453293	-0.094120	-1.216051	-1.759349	-0.026549	50.000000	0.000000	10.000000
39	0.677085	0.653161	1.035677	0.936031	-7.501944	-0.098447	-1.222512	-1.789919	-0.029001	50.000000	0.000000	15.000000
40	0.689013	0.673067	1.023632	0.959849	-7.616785	-0.095175	-1.243764	-1.809006	-0.030809	50.000000	0.000000	20.000000

RUN # F7566, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.178075	0.088743	-2.006642	-0.178075	1.545406	0.088743	0.619292	0.362467	0.026154	0.000000-15.000000	0.000000	
2	-0.178951	0.091642	-1.952714	-0.178951	1.562294	0.091642	0.629670	0.356581	0.025833	0.000000-15.000000	10.000000	
3	-0.181333	0.093840	-1.932364	-0.181333	1.574536	0.093840	0.628114	0.360689	0.026084	0.000000-15.000000	15.000000	
4	-0.186279	0.091417	-2.037669	-0.186279	1.554736	0.091417	0.621465	0.350499	0.025896	0.000000-15.000000	20.000000	
5	0.099227	0.080911	1.2226375	0.111770	-0.798295	0.062451	0.353908	-0.212465	0.024898	10.000000-15.000000	0.000000	
6	0.087524	0.079525	1.100585	0.100004	-0.740319	0.063119	0.353841	-0.192903	0.024327	10.000000-15.000000	10.000000	
7	0.090030	0.080235	1.122070	0.102594	-0.762642	0.063383	0.361266	-0.193902	0.024704	10.000000-15.000000	15.000000	
8	0.097146	0.083978	1.156803	0.110253	-0.76477	0.065833	0.355560	-0.203460	0.024795	10.000000-15.000000	20.000000	
9	0.412551	0.121735	3.388933	0.429307	-3.408798	-0.026707	-0.402107	-0.771376	-0.021159	20.000000-15.000000	0.000000	
10	0.401927	0.119326	3.368296	0.418500	-3.331721	-0.053337	-0.395787	-0.754365	-0.021239	20.000000-15.000000	10.000000	
11	0.405177	0.122957	3.295264	0.422796	-3.35091	-0.023036	-0.396430	-0.763445	-0.020978	20.000000-15.000000	15.000000	
12	0.413188	0.120832	3.419523	0.429597	-3.397385	-0.027773	-0.391157	-0.767542	-0.020856	20.000000-15.000000	20.000000	
13	0.674044	0.227547	2.962220	0.697513	-5.589998	-0.139960	-1.267111	-1.253819	-0.073966	30.000000-15.000000	0.000000	
14	0.721299	0.251942	2.862954	0.750635	-5.834845	-0.142461	-1.304107	-1.294187	-0.070817	30.000000-15.000000	10.000000	
15	0.722788	0.250141	2.882602	0.751323	-5.901657	-0.142445	-1.317340	-1.338922	-0.072474	30.000000-15.000000	15.000000	
16	0.726012	0.245698	2.954893	0.751594	-6.023673	-0.152225	-1.371263	-1.343608	-0.076850	30.000000-15.000000	20.000000	
17	0.729937	0.325527	2.243703	0.784529	-6.038246	-0.152182	-1.350029	-1.339950	-0.081034	35.000000-15.000000	0.000000	
18	0.735266	0.329394	2.232180	0.792227	-6.222089	-0.151907	-1.403030	-1.358271	-0.083933	35.000000-15.000000	10.000000	
19	0.743656	0.329772	2.255094	0.798325	-6.367881	-0.156116	-1.436339	-1.377889	-0.086254	35.000000-15.000000	15.000000	
20	0.777728	0.347005	2.241263	0.831112	-6.537592	-0.168337	-1.469582	-1.424697	-0.084707	35.000000-15.000000	20.000000	
21	0.717755	0.394901	1.817558	0.803670	-6.376070	-0.158852	-1.380758	-1.395865	-0.074122	40.000000-15.000000	0.000000	
22	0.753112	0.415332	1.815685	0.833695	-6.559939	-0.166357	-1.446972	-1.431123	-0.078818	40.000000-15.000000	10.000000	
23	0.771435	0.423567	1.824019	0.863287	-6.675128	-0.171315	-1.473337	-1.473337	-0.081342	40.000000-15.000000	15.000000	
24	0.785022	0.428893	1.833766	0.87635	-6.902073	-0.176664	-1.533083	-1.533674	-0.082485	40.000000-15.000000	20.000000	
25	0.690737	0.466606	1.482078	0.817979	-6.460265	-0.158870	-1.433101	-1.448451	-0.070812	45.000000-15.000000	0.000000	
26	0.726175	0.503050	1.44544	0.869194	-6.792661	-0.157773	-1.482638	-1.522422	-0.074442	45.000000-15.000000	10.000000	
27	0.738677	0.500871	1.474786	0.876392	-6.881424	-0.168154	-1.504282	-1.528731	-0.072333	45.000000-15.000000	15.000000	
28	0.751740	0.509315	1.473809	0.891743	-7.043336	-0.171377	-1.551622	-1.557191	-0.076651	45.000000-15.000000	20.000000	
29	0.679576	0.571608	1.188885	0.874700	-6.798896	-0.153163	-1.456106	-1.520004	-0.054947	50.000000-15.000000	0.000000	
30	0.685675	0.588893	1.16346	0.891861	-6.839235	-0.146724	-1.473837	-1.542913	-0.054883	50.000000-15.000000	10.000000	
31	0.660558	0.554824	1.190572	0.849618	-6.817065	-0.149382	-1.463623	-1.536033	-0.05036	50.000000-15.000000	15.000000	
32	0.678492	0.574898	1.180197	0.876524	-6.990329	-0.150218	-1.48939	-1.563498	-0.07058	50.000000-15.000000	20.000000	
33	0.626325	0.642142	0.975368	0.885257	-7.054789	-0.144737	-1.446759	-1.659985	-0.042131	55.000000-15.000000	0.000000	
34	0.628216	0.650903	0.965145	0.893518	-7.037693	-0.141261	-1.471798	-1.657390	-0.041798	55.000000-15.000000	10.000000	
35	0.641053	0.656232	0.976810	0.905247	-7.088586	-0.148720	-1.487528	-1.665331	-0.04496	55.000000-15.000000	15.000000	
36	0.634227	0.641243	0.989059	0.888903	-7.155246	-0.151726	-1.496223	-1.704303	-0.048004	55.000000-15.000000	20.000000	

RUN # F7567, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.183539	0.099430	1.845903	0.183539	-1.336789	0.099430	0.665123	-0.657117	0.078664	0.000000	15.000000	0.000000
2	0.175519	0.102517	1.712183	0.175519	-1.243834	0.102547	0.664342	-0.635606	0.078491	0.000000	15.000000	10.000000
3	0.169218	0.099337	1.691247	0.169218	-1.238515	0.099737	0.672733	-0.641079	0.078154	0.000000	15.000000	15.000000
4	0.159405	0.099636	1.600033	0.159405	-1.214587	0.099626	0.671656	-0.640045	0.077772	0.000000	15.000000	20.000000
5	0.491251	0.167833	2.927029	0.512932	-4.004216	0.079978	0.432524	-1.308859	0.081162	10.000000	15.000000	0.000000
6	0.481402	0.166619	2.896680	0.502948	-3.960059	0.080077	0.438511	-1.293516	0.078390	10.000000	15.000000	10.000000
7	0.461581	0.169013	2.730061	0.4833928	-3.848281	0.086352	0.481173	-1.239172	0.083513	10.000000	15.000000	15.000000
8	0.475261	0.170141	2.793336	0.491586	-3.90044	0.085028	0.468581	-1.293603	0.081701	10.000000	15.000000	20.000000
9	0.778207	0.265234	2.934042	0.821191	-6.491204	-0.016924	-0.406401	-1.809829	0.022363	20.000000	15.000000	0.000000
10	0.782718	0.273120	2.859661	0.821132	-6.542513	-0.010493	-0.373554	-1.825374	0.028482	20.000000	15.000000	10.000000
11	0.769998	0.269533	2.856786	0.815747	-6.55588	-0.010076	-0.394668	-1.844383	0.025454	20.000000	15.000000	15.000000
12	0.786376	0.276714	2.841531	0.831604	-6.616662	-0.008902	-0.404754	-1.868838	0.026302	20.000000	15.000000	20.000000
13	0.923070	0.436491	2.111473	1.011747	-8.080265	-0.083522	-1.046001	-2.071731	-0.030232	30.000000	15.000000	0.000000
14	0.936364	0.439907	2.128550	1.030868	-8.113259	-0.087211	-1.053373	-2.084965	-0.029580	30.000000	15.000000	10.000000
15	0.934624	0.430623	2.171043	1.024120	-8.223969	-0.094382	-1.064894	-2.102780	-0.028961	30.000000	15.000000	15.000000
16	0.965892	0.451975	2.137047	1.062475	-8.320649	-0.091524	-1.065676	-2.097994	-0.027949	30.000000	15.000000	20.000000
17	0.854131	0.492388	1.7344670	0.982085	-7.844465	-0.086568	-0.908231	-1.991671	-0.023570	35.000000	15.000000	0.000000
18	0.863216	0.495231	1.743057	0.991158	-7.966350	-0.089450	-0.911212	-1.980149	-0.022983	35.000000	15.000000	10.000000
19	0.894677	0.513953	1.740775	0.9927668	-8.127698	-0.092159	-0.973641	-2.032680	-0.027545	35.000000	15.000000	15.000000
20	0.936817	0.531583	1.762316	1.062299	-8.366680	-0.101889	-1.010924	-2.096423	-0.029061	35.000000	15.000000	20.000000
21	0.823575	0.577551	1.425954	1.002144	-7.908355	-0.086946	-0.884743	-1.960739	-0.022365	40.000000	15.000000	0.000000
22	0.839385	0.587595	1.428506	1.020106	-7.990849	-0.089121	-0.911599	-1.970822	-0.020552	40.000000	15.000000	10.000000
23	0.856061	0.594154	1.440806	1.037695	-8.127698	-0.093116	-0.931322	-2.012792	-0.022695	40.000000	15.000000	15.000000
24	0.904381	0.623159	1.451286	1.093355	-8.512074	-0.103957	-1.020395	-2.101775	-0.025991	40.000000	15.000000	20.000000
25	0.782141	0.662602	1.180409	1.021588	-8.002734	-0.084526	-0.912236	-1.968019	-0.016727	45.000000	15.000000	0.000000
26	0.780967	0.654849	1.192592	1.015275	-8.021162	-0.089118	-0.923743	-1.971859	-0.016987	45.000000	15.000000	10.000000
27	0.787320	0.665642	1.182798	1.027399	-8.194923	-0.086039	-0.957277	-2.023418	-0.019389	45.000000	15.000000	15.000000
28	0.825161	0.691479	1.193328	1.072426	-8.398556	-0.094527	-0.959662	-2.038443	-0.017928	45.000000	15.000000	20.000000
29	0.718334	0.737268	0.974320	1.026516	-8.070686	-0.076369	-0.873144	-2.029787	-0.005703	50.000000	15.000000	0.000000
30	0.727273	0.749559	0.970269	1.041678	-8.221098	-0.075316	-0.888962	-2.075227	-0.003089	50.000000	15.000000	10.000000
31	0.714812	0.731169	0.977629	1.019580	-8.105311	-0.077591	-0.883976	-2.056303	-0.003378	50.000000	15.000000	15.000000
32	0.729214	0.747888	0.975031	1.041645	-8.268838	-0.077877	-0.880186	-2.080104	-0.002072	50.000000	15.000000	20.000000
33	0.646278	0.813192	0.794742	1.036818	-8.249893	-0.062971	-0.813660	-2.135769	0.010331	55.000000	15.000000	0.000000
34	0.664070	0.829360	0.800702	1.062066	-8.416446	-0.068272	-0.825974	-2.156361	0.008378	55.000000	15.000000	10.000000
35	0.647737	0.815293	0.794483	1.039376	-8.354420	-0.062961	-0.825631	-2.145416	0.008275	55.000000	15.000000	15.000000
36	0.652240	0.811128	0.804977	1.038948	-8.301390	-0.069612	-0.846449	-2.146676	0.004748	55.000000	15.000000	20.000000

RUN # F7568, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.122602	0.261014	0.469715	0.122602	-1.229391	0.261014	0.232446	-0.634122	0.069896	0.000000	0.000000	
2	0.129931	0.262906	0.494213	0.129931	-1.184871	0.262906	0.244884	-0.619848	0.069516	0.000000	0.000000	
3	0.121071	0.261308	0.463327	0.121071	-1.147447	0.261308	0.220554	-0.582774	0.067557	0.000000	0.000000	
4	0.127447	0.265311	0.480369	0.127447	-1.174911	0.265311	0.246952	-0.600172	0.070839	0.000000	0.000000	
5	0.429618	0.292720	1.467677	0.473922	-3.969502	0.213670	0.094937	-1.272802	0.075253	10.000000	15.000000	0.000000
6	0.424570	0.290655	1.460738	0.468592	-3.835987	0.212513	0.114626	-1.228506	0.074662	10.000000	10.000000	
7	0.418619	0.293862	1.424542	0.463288	-3.834918	0.216706	0.112709	-1.209079	0.077206	10.000000	15.000000	
8	0.418181	0.294329	1.420795	0.462938	-3.800590	0.217241	0.137056	-1.206497	0.074781	10.000000	15.000000	
9	0.719326	0.341048	2.109162	0.792591	-6.463573	0.074457	-0.560597	-1.797054	0.024229	20.000000	15.000000	0.000000
10	0.717420	0.344813	2.080607	0.792087	-6.441688	0.078646	-0.550294	-1.776176	0.026957	20.000000	15.000000	
11	0.708322	0.343059	2.064722	0.782938	-6.332027	0.080110	-0.513639	-1.754116	0.026934	20.000000	15.000000	
12	0.707024	0.339283	2.083877	0.780427	-6.338643	0.077006	-0.528334	-1.749774	0.024016	20.000000	15.000000	
13	0.860332	0.469634	1.831920	0.979887	-7.943965	0.023450	-1.183746	-1.993415	-0.028255	30.000000	15.000000	0.000000
14	0.866472	0.481025	1.801303	0.990900	-7.942599	0.016656	-1.191968	-2.012711	-0.028482	30.000000	15.000000	
15	0.884877	0.488668	1.810055	1.010760	-7.975632	0.019066	-1.168437	-2.022431	-0.027685	30.000000	15.000000	
16	0.871191	0.486432	1.790980	0.997689	-8.070560	-0.014332	-1.192793	-2.040812	-0.027500	30.000000	15.000000	
17	0.823012	0.539246	1.526226	0.983471	-7.834334	-0.030335	-1.001887	-1.921970	-0.022696	35.000000	15.000000	0.000000
18	0.833535	0.537523	1.550697	0.991102	-7.847716	-0.037783	-0.957378	-1.938161	-0.024728	35.000000	15.000000	
19	0.834986	0.538309	1.551126	0.992742	-7.966585	-0.037970	-1.020827	-1.963398	-0.024942	35.000000	15.000000	
20	0.856736	0.549930	1.537899	1.017224	-8.189697	-0.040267	-1.063607	-2.032544	-0.026726	35.000000	15.000000	
21	0.786175	0.602393	1.305087	0.389456	-7.784535	-0.043883	-0.961870	-1.911469	-0.021288	40.000000	15.000000	0.000000
22	0.812605	0.626919	1.256188	1.025468	-7.983666	-0.042084	-0.985094	-1.913615	-0.020302	40.000000	15.000000	
23	0.812823	0.624757	1.301023	1.024244	-8.060519	-0.043880	-0.997227	-1.981783	-0.022750	40.000000	15.000000	
24	0.829030	0.634722	1.306131	1.043065	-8.272049	-0.046665	-1.029657	-2.051199	-0.024167	40.000000	15.000000	
25	0.768892	0.655195	1.171743	1.007689	-7.881689	-0.079688	-0.911148	-1.923309	-0.016399	45.000000	15.000000	0.000000
26	0.776284	0.665820	1.16158	1.020429	-7.951208	-0.077402	-0.900246	-1.952119	-0.015518	45.000000	10.000000	
27	0.796881	0.688428	1.163426	1.040119	-8.118789	-0.079092	-0.902862	-1.981673	-0.014587	45.000000	15.000000	
28	0.801579	0.669817	1.168697	1.060233	-8.222656	-0.073371	-0.919727	-2.010707	-0.016481	45.000000	15.000000	
29	0.579287	0.812489	0.712102	0.995527	-7.948067	0.079141	-1.250330	-1.959774	-0.003047	50.000000	15.000000	0.000000
30	0.584490	0.822292	0.710549	1.006703	-7.961980	0.081075	-1.273871	-1.983771	-0.003573	50.000000	15.000000	
31	0.598352	0.831468	0.719834	1.021554	-8.062216	0.076093	-1.275367	-1.960334	-0.005262	50.000000	15.000000	
32	0.597260	0.833357	0.714976	1.023832	-8.053977	0.079430	-1.252573	-1.959316	-0.001578	50.000000	15.000000	
33	0.489425	0.903320	0.541807	1.020679	-8.186769	0.117210	-1.255661	-2.070342	0.010845	55.000000	15.000000	0.000000
34	0.49720	0.909050	0.546919	1.029846	-8.145427	0.114126	-1.274274	-2.050234	0.010105	55.000000	10.000000	
35	0.51224	0.915264	0.559646	1.043510	-8.213572	0.105385	-1.277556	-2.070182	0.007000	55.000000	15.000000	
36	0.50221	0.903671	0.556089	1.028418	-8.201968	0.106684	-1.276808	-2.067404	0.004705	55.000000	15.000000	

RUN # F7569, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CR	CIM	CRM	CA	ALPHA	FLAP	PJET
1	-0.014938	0.079316	-0.188329	-0.014938	0.084896	0.079316	0.473664	-0.110496	0.040110	0.000000	0.000000	
2	-0.028447	0.082620	-0.0344305	-0.028447	0.143615	0.082620	0.492312	-0.092451	0.040028	0.000000	0.000000	
3	-0.032423	0.084920	-0.381812	-0.032423	0.252259	-0.135062	0.060307	0.294330	-0.693186	0.037512	0.000000	
4	-0.043348	0.082129	-0.527806	-0.043348	0.248627	0.082129	0.493774	-0.047296	0.036918	0.000000	0.000000	
5	0.257946	0.108656	2.373966	0.272895	-2.292958	0.062214	0.274228	-0.732741	0.048339	10.000000	0.000000	
6	0.237955	0.103195	2.305875	0.2303999	-2.264378	0.063287	0.294299	-0.689868	0.047573	10.000000	0.000000	
7	0.249372	0.108234	2.303999	0.276439	0.264986	-2.217144	0.064671	0.297730	-0.701163	0.048199	10.000000	
8	0.249731	0.109702	2.276439	0.264986	-2.217144	0.064671	0.297730	-0.701163	0.048406	10.000000	0.000000	
9	0.589773	0.199177	2.961048	0.622328	-5.161465	-0.014549	-0.538153	-1.338616	0.001084	20.000000	0.000000	
10	0.584229	0.201688	2.896695	0.617977	-5.102480	-0.010293	-0.518255	-1.314372	0.003632	20.000000	0.000000	
11	0.534746	0.204296	2.911203	0.628752	-5.106698	-0.011440	-0.520186	-1.314932	0.003653	20.000000	0.000000	
12	0.584914	0.201959	2.896195	0.618713	-5.128136	-0.010272	-0.500266	-1.331452	0.004172	20.000000	0.000000	
13	0.819581	0.351892	2.3229067	0.885724	-7.164936	-0.105042	-1.313419	-1.701120	-0.057021	30.000000	0.000000	
14	0.795390	0.342042	2.325418	0.859849	-7.014881	-0.101478	-1.292592	-1.689269	-0.055183	30.000000	0.000000	
15	0.832964	0.363340	2.292522	0.903038	-7.190784	-0.101820	-1.060226	-1.701203	-0.053171	30.000000	0.000000	
16	0.826738	0.354865	2.329723	0.893409	-7.182292	-0.106046	-1.305799	-1.741828	-0.053439	30.000000	0.000000	
17	0.801572	0.426082	1.881264	0.901000	-7.334752	-0.110737	-1.315955	-1.713199	-0.054890	35.000000	0.000000	
18	0.810186	0.429326	1.887110	0.909911	-7.348765	-0.113020	-1.3134283	-1.725002	-0.057818	35.000000	0.000000	
19	0.811632	0.427822	1.897127	0.910239	-7.369051	-0.115082	-1.348151	-1.722179	-0.055247	35.000000	0.000000	
20	0.827053	0.438797	1.8884817	0.929166	-7.509843	-0.114936	-1.367785	-1.782375	-0.057219	35.000000	0.000000	
21	0.796087	0.523865	1.519641	0.946572	-7.363729	-0.110410	-1.269770	-1.707371	-0.046058	40.000000	0.000000	
22	0.771058	0.498893	1.545538	0.911347	-7.395049	-0.113452	-1.2993374	-1.744140	-0.047739	40.000000	0.000000	
23	0.802220	0.539165	1.487893	0.961105	-7.574347	-0.102632	-1.309448	-1.770626	-0.047920	40.000000	0.000000	
24	0.820294	0.548204	1.496331	0.980760	-7.731898	-0.107326	-1.368266	-1.839932	-0.051045	40.000000	0.000000	
25	0.747140	0.597320	1.251155	0.950818	-7.573156	-0.106079	-1.308813	-1.768496	-0.041994	45.000000	0.000000	
26	0.750255	0.594126	1.262722	0.950593	-7.600911	-0.110372	-1.312702	-1.787222	-0.043758	45.000000	0.000000	
27	0.769806	0.618189	1.244053	0.981885	-7.703889	-0.106785	-1.359714	-1.839155	-0.043713	45.000000	0.000000	
28	0.777222	0.622298	1.247535	0.990098	-7.910110	-0.109045	-1.371638	-1.878128	-0.045146	45.000000	0.000000	
29	0.691755	0.683163	1.012280	0.968139	-7.576931	-0.090657	-1.251692	-1.826307	-0.029668	50.000000	0.000000	
30	0.695140	0.681047	1.020693	0.968539	-7.666688	-0.094739	-1.273185	-1.827808	-0.029525	50.000000	0.000000	
31	0.685521	0.669382	1.024264	0.953345	-7.658971	-0.094933	-1.270601	-1.832162	-0.029596	50.000000	0.000000	
32	0.701459	0.681025	1.030005	0.972585	-7.731434	-0.095954	-1.300894	-1.846246	-0.032318	50.000000	0.000000	
33	0.646050	0.760185	0.849858	0.993266	-7.901437	-0.093188	-1.240284	-1.960734	-0.016529	55.000000	0.000000	
34	0.639105	0.748476	0.853876	0.919691	-7.812267	-0.094216	-1.242253	-1.950646	-0.017334	55.000000	0.000000	
35	0.636932	0.748550	0.858888	0.978506	-7.801445	-0.092393	-1.253125	-1.926244	-0.017080	55.000000	0.000000	
36	0.661035	0.774151	0.853883	1.013301	-7.984426	-0.097452	-1.274591	-1.945115	-0.016271	55.000000	0.000000	

RUN # F7570, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.228053	0.072352	-3.151986	-0.228053	2.343874	0.072352	1.420511	0.325754	-0.546363	0.000000-15.000000	0.000000	
2	-0.210218	0.07975	-2.631827	-0.210218	2.352006	0.079875	1.415676	0.347875	-0.560125	0.000000-15.000000	0.000000	
3	-0.229402	0.084283	-2.721819	-0.229402	2.437589	0.084283	1.18432	0.351978	-0.552687	0.000000-15.000000	15.000000	
4	-0.244098	0.085259	-2.863000	-0.244098	2.442363	0.085259	1.419098	0.360777	-0.552290	0.000000-15.000000	20.000000	
5	1.178724	0.012530	94.074051	1.162992	-1.142412	-0.192344	4.384033	1.091851	-3.288672	10.000000-15.000000	0.000000	
6	1.176228	-0.000440*****	1.158282	-1.040246	-0.204683	4.424863	1.116928	-3.325522	10.000000-15.000000	10.000000		
7	1.178521	-0.004340*****	1.159863	-1.028050	-0.208922	4.453841	1.154899	-3.367293	10.000000-15.000000	15.000000		
8	1.197034	0.00197665	8.28247	1.179192	-1.055627	-0.205917	4.451020	1.156908	-3.380687	10.000000-15.000000	20.000000	
9	2.511217	-0.205341-12.229482	2.289542	-1.929823	-1.051844	2.660644	1.625159	-4.217635	20.000000-15.000000	0.000000		
10	2.502120	-0.213603-11.713867	2.278167	-1.968769	-1.06496	2.683534	1.692077	-4.233978	20.000000-15.000000	10.000000		
11	2.565477	-0.207795-12.346217	2.339690	-2.022663	-1.012707	2.777491	1.768568	-4.308290	20.000000-15.000000	15.000000		
12	2.555972	-0.254182-10.055664	2.314893	-2.113876	-1.113046	2.663484	1.745676	-4.311670	20.000000-15.000000	20.000000		
13	3.237135	-0.161830-20.003340	2.722527	-1.910709	-1.758715	2.726528	3.852773	-4.092223	30.000000-15.000000	0.000000		
14	3.227107	-0.188539-17.116407	2.70488	-1.90918	-1.716832	2.647776	3.833740	-4.157778	30.000000-15.000000	10.000000		
15	3.273677	-0.180739-18.112692	2.744719	-1.964894	-1.793362	2.648725	3.847456	-4.086897	30.000000-15.000000	15.000000		
16	3.259575	-0.176415-18.476751	2.734668	-2.180250	-1.782566	2.562401	3.829361	-4.131744	30.000000-15.000000	15.000000		
17	3.717411	0.547154	6.794082	3.358960	-5.817076	-1.684015	0.631338	2.829860	-3.279956	35.000000-15.000000	0.000000	
18	3.682003	0.514261	7.159789	3.311090	-5.765059	-1.696650	0.588105	2.770395	-3.147054	35.000000-15.000000	10.000000	
19	3.658342	0.532451	6.870759	3.302141	-5.932804	-1.662179	0.684870	2.746606	-3.284760	35.000000-15.000000	15.000000	
20	3.723809	0.509759	7.305032	3.342752	-5.963312	-1.718317	0.596317	2.761972	-3.264331	35.000000-15.000000	20.000000	
21	4.486095	1.313842	3.414487	4.281071	-7.203879	-1.877143	1.872687	3.392997	-3.859905	40.000000-15.000000	0.000000	
22	4.452793	1.308267	3.403581	4.251976	-7.155664	-1.866007	1.833044	3.340076	-3.903906	40.000000-15.000000	10.000000	
23	4.584906	1.318724	3.476776	4.359902	-7.400650	-1.936918	1.881071	3.391457	-4.066506	40.000000-15.000000	15.000000	
24	4.564532	1.306834	3.492818	4.336652	-7.453082	-1.932929	1.897521	3.360615	-4.170166	40.000000-15.000000	20.000000	
25	5.225499	1.866555	2.799543	5.014841	-7.267463	-2.375129	2.231975	4.836287	-5.625302	45.000000-15.000000	0.000000	
26	5.161693	1.802566	2.863526	4.924476	-7.15802	-2.375259	2.28632	4.825190	-5.535917	45.000000-15.000000	10.000000	
27	5.081887	1.769988	2.871142	4.845008	-7.050810	-2.341863	2.290362	4.822290	-5.483514	45.000000-15.000000	15.000000	
28	5.249180	1.843962	2.846686	5.015610	-7.19984	-2.407850	2.264170	5.018561	-5.652457	45.000000-15.000000	20.000000	
29	6.362088	3.110886	2.045105	6.472550	-9.991406	-2.87399	2.710926	5.587398	-7.428859	50.000000-15.000000	0.000000	
30	6.269701	2.977629	2.105602	6.311084	-9.645053	-2.888883	2.916616	5.945136	-7.414071	50.000000-15.000000	10.000000	
31	6.154578	2.967448	2.074030	6.229285	-9.435567	-2.807237	2.939717	5.980899	-7.194181	50.000000-15.000000	15.000000	
32	6.269232	2.513429	2.494295	5.955185	-8.645336	-3.186906	2.386601	6.106239	-7.455963	50.000000-15.000000	20.000000	
33	7.273691	3.734499	1.947702	7.231143	-9.974146	-3.816233	0.780780	4.925695	-7.547590	55.000000-15.000000	0.000000	
34	7.444070	3.789315	1.964490	7.373771-10.184373	-3.924359	0.675793	5.161296	5.945136	-7.770526	55.000000-15.000000	10.000000	
35	7.455648	3.814815	1.954393	7.401300-10.193330	-3.919216	0.686044	5.244275	7.71516	5.349475	55.000000-15.000000	15.000000	
36	7.538200	3.411168	2.209859	7.118002-9.636110	-4.218361	0.555905	5.434635	-8.349475	55.000000-15.000000	20.000000		

RUN # F7571, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CM	CRM	CA	ALPHA	FLAP	PUET
1	-0.201166	0.106263	-1.893097	-0.201166	1.545066	0.106263	0.655420	0.394798	0.096449	0.000000-15.000000	0.000000	
2	-0.213374	0.109445	-1.940736	-0.213374	1.591696	0.109945	0.673515	0.391798	0.049989	0.000000-15.000000	10.000000	
3	-0.224883	0.117013	-1.921870	-0.224883	1.680624	0.117013	0.699900	0.430804	0.057832	0.000000-15.000000	15.000000	
4	-0.228828	0.110667	-0.2067727	-0.228828	1.723519	0.110667	0.687250	0.409748	0.035654	0.000000-15.000000	20.000000	
5	0.070495	0.094320	0.747404	0.085802	-0.823554	0.080645	0.473639	-0.199341	0.022442	10.000000-15.000000	0.000000	
6	0.062003	0.098566	0.629044	0.078177	-0.734898	0.086302	0.478391	-0.166889	0.024418	10.000000-15.000000	10.000000	
7	0.065798	0.100674	0.653578	0.082280	-0.706284	0.087718	0.523895	-0.158839	0.025175	10.000000-15.000000	15.000000	
8	0.065679	0.093523	0.702222	0.080921	-0.742393	0.080698	0.495618	-0.158064	0.022125	10.000000-15.000000	20.000000	
9	0.391863	0.127799	3.066239	0.411940	-2.366659	-0.013933	0.265212	-0.804657	-0.426472	20.000000-15.000000	0.000000	
10	0.350422	0.138479	2.530509	0.376652	-2.303033	0.010276	0.446665	-0.72861	-0.480964	20.000000-15.000000	10.000000	
11	0.383548	0.158512	2.419675	0.414632	2.505668	0.017772	0.492565	-0.755221	-0.430381	20.000000-15.000000	15.000000	
12	0.412328	0.123517	3.338226	0.429707	-2.724251	-0.024956	0.382339	-0.848743	-0.504460	20.000000-15.000000	20.000000	
13	2.843266	-0.391088	-7.270141	2.266797	-4.072460	-1.760324	-2.142909	0.409818	-2.825112	30.000000-15.000000	0.000000	
14	2.781396	-0.355885	-7.815431	2.230817	-4.140272	-1.698902	-2.046313	0.40944	-2.856816	30.000000-15.000000	10.000000	
15	2.813597	-0.292011	-9.6335255	2.2905642	-4.376387	-1.659686	-1.943624	0.377950	-2.877599	30.000000-15.000000	15.000000	
16	2.818529	-0.313094	-9.002189	2.284372	-4.466174	-1.680411	-1.970573	0.329213	-2.856984	30.000000-15.000000	20.000000	
17	2.574664	-0.416163	-6.186667	1.870341	-2.842404	-1.817667	-1.820872	-0.513064	-2.684067	35.000000-15.000000	0.000000	
18	2.619014	-0.361887	-7.237094	1.937801	-3.017220	-1.798644	-1.729089	-0.53506	-2.829515	35.000000-15.000000	10.000000	
19	2.747909	-0.380851	-7.215188	2.032509	-3.412334	-1.888110	-1.988203	-0.450977	-2.876558	35.000000-15.000000	15.000000	
20	2.672758	-0.335164	-7.974489	1.997154	-3.568457	-1.807580	-1.866665	-0.457939	-2.642106	35.000000-15.000000	20.000000	
21	3.588200	0.037387	95.975418	2.772753	-4.128086	-2.277809	0.049177	3.892902	-2.729634	40.000000-15.000000	0.000000	
22	3.551799	0.039449	90.034996	2.746195	-4.124068	-2.252831	0.010344	3.824467	-2.736606	40.000000-15.000000	10.000000	
23	3.558407	0.074631	47.680107	2.773871	-4.328739	-2.230128	0.076315	3.768140	-2.774652	40.000000-15.000000	15.000000	
24	3.543069	0.049930	70.960083	2.746244	-4.314129	-2.239191	0.027810	3.755561	-2.810682	40.000000-15.000000	20.000000	
25	4.309408	0.632045	6.818194	3.494137	-4.815933	-2.600286	0.365611	3.154128	-3.601598	45.000000-15.000000	0.000000	
26	4.376069	0.610039	7.173423	3.525712	-4.827375	-2.662983	0.331947	3.219047	-3.752583	45.000000-15.000000	10.000000	
27	4.347770	0.610175	7.125446	3.505798	-4.779745	-2.642876	0.328290	3.197972	-3.749515	45.000000-15.000000	15.000000	
28	4.334688	0.604407	7.171803	3.492469	-4.788847	-2.637705	0.304922	3.186515	-3.783026	45.000000-15.000000	20.000000	
29	5.736966	1.909457	3.004501	5.150382	-7.473758	-3.167392	0.555444	4.268337	-6.040702	50.000000-15.000000	0.000000	
30	5.59305	1.838551	3.045499	5.007577	-7.062110	-3.107515	0.687496	4.441597	-6.866969	50.000000-15.000000	10.000000	
31	5.541014	1.827098	3.032686	4.961335	-6.945672	-3.070224	0.714276	4.510565	-5.880404	50.000000-15.000000	15.000000	
32	5.578329	1.818403	3.067598	4.978532	-6.929113	-3.104244	0.684738	4.590060	-5.978238	50.000000-15.000000	20.000000	
33	6.117958	2.838764	2.155149	5.834498	-6.958878	-3.388285	1.736131	6.797422	-6.639915	55.000000-15.000000	0.000000	
34	6.29890	2.8151572	2.237982	5.918499	-7.198213	-3.545429	1.920662	6.760048	-6.812936	55.000000-15.000000	10.000000	
35	6.382303	2.790972	5.946671	-7.255642	-3.622337	1.804976	6.887020	-6.995371	55.000000-15.000000	15.000000		
36	6.328769	2.786931	2.270825	5.913004	-7.313045	-3.585567	1.844081	6.836557	-6.927867	55.000000-15.000000	20.000000	

RUN # E7572, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PET
1	0.012987	0.090373	0.143706	0.012987	-0.063825	0.090373	0.606179	-0.204758	0.049657	0.000000	0.000000	
2	-0.008091	0.093253	-0.086759	-0.008091	0.094366	0.093253	0.627839	-0.174412	0.045725	0.000000	10.000000	
3	-0.005865	0.090045	-0.065138	-0.005865	0.165417	0.090045	0.622641	-0.168516	0.043959	0.000000	15.000000	
4	-0.013914	0.096986	-0.143465	-0.013914	0.040937	0.096986	0.60881	-0.128645	0.048841	0.000000	20.000000	
5	0.352196	0.116493	3.023314	0.367074	-2.928598	0.053565	0.401162	-0.846102	0.055385	10.000000	0.000000	
6	0.331084	0.114501	2.891551	0.345937	-2.780098	0.055269	0.408148	-0.819293	0.057120	10.000000	0.000000	
7	0.324501	0.120058	2.702868	0.340419	-2.99193	0.061885	0.450421	-0.819595	0.054881	10.000000	0.000000	
8	0.330508	0.123153	2.683717	0.346872	-2.714943	0.063890	0.415218	-0.793866	0.056521	10.000000	0.000000	
9	0.766205	0.219080	3.497375	0.794927	-6.381683	-0.056189	-0.638333	-1.654485	-0.008617	20.000000	0.000000	
10	0.758903	0.215869	3.515574	0.786967	-6.250731	-0.056710	-0.645256	-1.603474	-0.00478	20.000000	0.000000	
11	0.729873	0.217506	3.355647	0.760247	-6.037864	-0.045242	-0.543754	-1.551342	0.005595	20.000000	0.000000	
12	0.728685	0.225224	3.235380	0.761771	-6.113905	-0.037583	-0.534859	-1.566780	0.006356	20.000000	0.000000	
13	1.018813	0.4111419	2.476336	1.088027	-8.570508	-0.153106	-1.528788	-2.013129	-0.070633	30.000000	0.000000	
14	0.985056	0.382705	2.573933	1.044336	-8.512448	-0.161096	-1.507470	-1.987054	-0.070290	30.000000	0.000000	
15	1.015305	0.404281	2.511386	1.081420	-8.595482	-0.151535	-1.505837	-1.988404	-0.075175	30.000000	0.000000	
16	1.046673	0.4144891	2.322765	1.113891	-8.764959	-0.164030	-1.529313	-2.024678	-0.073622	30.000000	0.000000	
17	1.028920	0.512085	2.011228	1.137382	-8.998350	-0.171262	-1.519318	-2.107965	-0.025918	35.000000	0.000000	
18	1.012089	0.511234	1.975061	1.12975	-8.915400	-0.160748	-1.446915	-2.020061	-0.033868	35.000000	0.000000	
19	1.015605	0.510125	1.989336	1.124760	-8.935924	-0.164329	-1.435571	-2.033528	-0.030299	35.000000	0.000000	
20	1.035040	0.513072	2.011336	1.142141	-9.059495	-0.173389	-1.448084	-2.043014	-0.022080	35.000000	0.000000	
21	0.995441	0.630053	1.577928	1.168057	-9.002514	-0.156595	-1.422856	-2.058566	-0.059248	40.000000	0.000000	
22	1.019813	0.635521	1.605553	1.189006	-9.125593	-0.169068	-1.456517	-2.124925	-0.058581	40.000000	0.000000	
23	1.038810	0.650129	1.593471	1.214101	-9.296240	-0.169285	-1.488677	-2.158075	-0.060570	40.000000	0.000000	
24	1.043960	0.659859	1.582095	1.223869	-9.546421	-0.165562	-1.563154	-2.192466	-0.063176	40.000000	0.000000	
25	0.505149	0.121338	4.163155	0.442994	-6.179153	-0.271395	-0.120640	-0.661745	0.835555	45.000000	0.000000	
26	0.515899	0.098753	5.224137	0.4344625	-6.054037	-0.294965	-0.227118	-0.597758	0.794111	45.000000	0.000000	
27	0.564565	0.198805	2.8339797	0.539784	-6.599271	-0.258631	-0.066331	-0.822695	0.790930	45.000000	0.000000	
28	0.536512	0.188181	2.851041	0.512435	-6.620034	-0.246307	-0.092342	-0.787295	0.806131	45.000000	0.000000	
29	0.371276	0.170443	2.178301	0.369219	-5.726882	-0.174855	-0.194470	-0.352180	1.189463	50.000000	0.000000	
30	0.332549	0.150042	2.216368	0.328697	-5.654017	-0.158302	-0.168517	-0.342226	1.17641	50.000000	0.000000	
31	0.560362	0.297964	1.880632	0.588448	-7.024462	-0.237734	-0.223300	-1.009662	0.657634	50.000000	0.000000	
32	0.755612	0.494398	1.528349	0.864429	-8.187404	-0.261039	-0.797007	-1.579137	0.466210	50.000000	0.000000	
33	0.767009	0.338674	2.264712	0.717364	-7.590954	-0.434041	-1.187298	-1.242315	0.546317	55.000000	0.000000	
34	0.696238	0.360501	1.930774	0.694733	-7.549244	-0.363493	-0.926957	-1.209692	0.533842	55.000000	0.000000	
35	0.602361	0.463225	1.300365	0.724952	-7.530877	-0.227730	-0.558853	-1.258001	0.589979	55.000000	0.000000	
36	0.651627	0.478037	1.363131	0.765343	-7.758439	-0.259590	-0.945544	-1.659102	0.415657	55.000000	0.000000	

RUN # E7573, Velocity = 100 ft./ sec.

RUN #	RUN #	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	1	0.189491	0.136812	1.385049	0.189491	-1.471993	0.1136812	0.728244	-0.730330	0.082423	0.000000	15.000000	0.000000
2	2	0.189355	0.147010	1.287779	0.189355	-1.438893	0.14040	0.701774	-0.698123	0.081620	0.000000	15.000000	10.000000
3	3	0.161573	0.145597	1.109724	0.161573	-1.45837	0.145597	0.720420	-0.715981	0.082106	0.000000	15.000000	15.000000
4	4	0.183697	0.135220	1.357906	0.183697	-1.472503	0.135280	0.752794	-0.737797	0.085173	0.000000	15.000000	20.000000
5	5	0.562090	0.212950	2.639544	0.590529	-4.686978	0.112109	0.574895	-1.533387	0.096339	10.000000	15.000000	0.000000
6	6	0.590054	0.218432	2.700575	0.619030	-4.784208	0.112111	0.560157	-1.494273	0.093149	0.000000	10.000000	10.000000
7	7	0.529938	0.212018	2.499910	0.558704	-4.585555	0.116775	0.561645	-1.461470	0.094451	10.000000	15.000000	15.000000
8	8	0.507093	0.207037	2.449281	0.533341	-4.536882	0.115836	0.554022	-1.445097	0.093768	10.000000	15.000000	20.000000
9	9	0.961485	0.359936	2.671267	1.026606	-8.116530	0.009382	-0.494809	-2.175185	0.030121	20.000000	15.000000	0.000000
10	10	0.957324	0.350283	2.733300	1.019394	-8.052104	0.001735	-0.482524	-2.187926	0.032442	20.000000	15.000000	10.000000
11	11	0.940745	0.353014	2.664897	1.004748	-8.051243	0.009971	-0.435414	-2.140485	0.032831	20.000000	15.000000	15.000000
12	12	0.927596	0.351259	2.640774	0.991793	-7.926628	0.012819	-0.463332	-2.162508	0.031117	20.000000	15.000000	20.000000
13	13	1.155220	0.554661	2.082748	1.277781	-10.015161	-0.097259	-1.237287	-2.445955	-0.038110	30.000000	15.000000	0.000000
14	14	1.147172	0.550073	2.085490	1.268516	-9.951944	-0.097208	-1.200494	-2.441110	-0.037791	30.000000	15.000000	10.000000
15	15	1.120133	0.530572	2.111179	1.235349	-9.965731	-0.100577	-1.198070	-2.452260	-0.043372	30.000000	15.000000	15.000000
16	16	1.161843	0.555279	2.092356	1.283825	-10.115138	-0.100035	-1.210766	-2.432252	-0.038607	30.000000	15.000000	20.000000
17	17	1.072965	0.630778	1.701018	1.240721	-9.767570	-0.098724	-0.977193	-2.309045	0.020702	35.000000	15.000000	0.000000
18	18	1.068812	0.630507	1.695163	1.237164	-9.871730	-0.096564	-0.938655	-2.280156	0.030237	35.000000	15.000000	10.000000
19	19	1.043252	0.605608	1.722653	1.201945	-9.708076	-0.102299	-0.911158	-2.328124	0.020897	35.000000	15.000000	15.000000
20	20	1.033236	0.589683	1.752190	1.184605	-9.793310	-0.109600	-0.772695	-2.284794	0.123805	35.000000	15.000000	20.000000
21	21	0.852140	0.459800	1.853283	1.701018	-1.765462	-0.195517	-0.397423	-1.748806	0.431746	40.000000	15.000000	0.000000
22	22	0.866649	0.471399	1.838460	0.966901	-8.751292	-0.195958	-0.441947	-1.640222	0.532480	40.000000	15.000000	10.000000
23	23	0.719057	0.290584	2.474524	0.737613	-7.957481	-0.239600	-0.265113	-1.110697	0.600719	40.000000	15.000000	15.000000
24	24	0.730784	0.301095	2.427089	0.753353	-8.238439	-0.239086	-0.104062	-1.452644	0.617840	40.000000	15.000000	20.000000
25	25	0.758137	0.474528	1.597664	0.948331	-8.665462	-0.195517	-0.424962	-1.626227	0.482561	45.000000	15.000000	0.000000
26	26	0.764222	0.469065	1.622947	0.872066	-8.259355	-0.208707	-0.348855	-1.594500	0.521545	45.000000	15.000000	10.000000
27	27	0.763360	0.452938	1.691975	0.862174	-8.251239	-0.221622	-0.378398	-1.579549	0.508718	45.000000	15.000000	15.000000
28	28	0.770905	0.456674	1.688084	0.868030	-8.346427	-0.222194	-0.368083	-1.565333	0.510675	45.000000	15.000000	20.000000
29	29	0.580857	0.258032	2.251101	0.571032	-7.197517	-0.279102	-0.190136	-1.114437	0.661302	50.000000	15.000000	0.000000
30	30	0.620645	0.268506	2.311480	0.604630	-7.358744	-0.302849	-0.219130	-1.183425	0.763753	50.000000	15.000000	10.000000
31	31	0.601504	0.263312	2.284382	0.588348	-7.337402	-0.291525	-0.199280	-1.150885	0.721666	50.000000	15.000000	15.000000
32	32	0.582614	0.269144	2.164696	0.580674	-7.273659	-0.273306	-0.116900	-1.135376	0.713619	50.000000	15.000000	20.000000
33	33	0.650055	-0.272584	-2.384791	0.149569	-5.806250	-0.5666285	-0.518801	1.235382	55.000000	15.000000	0.000000	0.000000
34	34	0.608332	-0.177924	-3.421308	0.203408	-5.915406	-0.600696	-0.483000	-0.711248	1.253468	55.000000	15.000000	10.000000
35	35	0.678968	-0.192607	-3.525140	0.231666	-5.90520	-0.666653	-0.259604	-0.630700	1.173345	55.000000	15.000000	15.000000
36	36	0.636305	-0.164831	-3.860358	0.229949	-6.034889	-0.615773	-0.476774	-0.580722	1.221964	55.000000	15.000000	20.000000

RUN # F7574, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	0.179874	0.128463	1.400197	0.179874	-1.514415	0.128463	0.754636	-0.753877	0.089876	0.000000	15.000000	0.000000
2	0.183466	0.128259	1.430432	0.183466	-1.448432	0.128559	0.746933	-0.761149	0.089129	0.000000	15.000000	10.000000
3	0.175435	0.127277	1.378367	0.175435	-1.424125	0.127277	0.759555	-0.72830	0.088772	0.000000	15.000000	15.000000
4	0.202558	0.133131	1.523497	0.202558	-1.508102	0.133131	0.798361	-0.761379	0.080068	0.000000	15.000000	20.000000
5	0.567208	0.194303	2.919199	0.592331	-4.768875	0.092856	0.540305	-1.545742	0.058988	10.000000	15.000000	0.000000
6	0.546830	0.193794	2.821714	0.572115	-4.739554	0.094893	0.563386	-1.540146	0.098433	10.000000	15.000000	10.000000
7	0.617700	0.207315	2.979524	0.643135	-4.792332	0.096903	0.550777	-1.482264	0.12314	10.000000	15.000000	15.000000
8	0.548700	0.197864	2.773120	0.574722	-4.622072	0.099577	0.590479	-1.502113	0.095887	10.000000	15.000000	20.000000
9	0.941541	0.329499	2.857493	0.997454	-9.477270	-0.012398	-0.432080	-2.199320	0.028726	20.000000	15.000000	0.000000
10	0.967586	0.354639	2.728370	1.030527	-8.132689	0.002318	-0.425911	-2.227701	0.038024	20.000000	15.000000	10.000000
11	0.945871	0.331133	2.85670	1.002082	-7.966694	-0.012344	-0.463226	-2.231487	0.03245	20.000000	15.000000	15.000000
12	0.980310	0.342373	2.8863277	1.038289	-8.030660	-0.013560	-0.490380	-2.203340	0.036078	20.000000	15.000000	20.000000
13	1.173122	0.541071	2.168147	1.286489	-10.002120	-0.117979	-1.179216	-2.485314	-0.037601	30.000000	15.000000	0.000000
14	1.170122	0.544457	2.149155	1.285584	-9.923892	-0.111357	-1.160055	-2.432783	-0.034924	30.000000	15.000000	10.000000
15	1.189068	0.551197	2.157249	1.305362	-10.127555	-0.1117183	-1.2117340	-2.480174	-0.041866	30.000000	15.000000	15.000000
16	1.175662	0.548648	2.143227	1.292427	-9.991618	-0.112774	-1.218917	-2.454277	-0.032605	30.000000	15.000000	20.000000
17	1.077998	0.640448	1.683193	1.250330	-9.782083	-0.093689	-1.073123	-2.391636	-0.030982	35.000000	15.000000	0.000000
18	1.106859	0.649445	1.704012	1.279250	-9.796144	-0.102791	-1.085962	-2.368112	-0.029188	35.000000	15.000000	10.000000
19	1.112635	0.641851	1.733477	1.279568	-9.953029	-0.112407	-1.156842	-2.481222	-0.033230	35.000000	15.000000	15.000000
20	1.148933	0.667988	1.722310	1.323777	-10.106236	-0.112554	-1.122057	-2.427789	-0.033044	35.000000	15.000000	20.000000
21	1.067266	0.763599	1.397678	1.308405	-9.985929	-0.101073	-1.035177	-2.443898	-0.02649	40.000000	15.000000	0.000000
22	1.064463	0.746688	1.425579	1.295388	-9.973921	-0.112227	-1.077874	-2.419069	-0.031130	40.000000	15.000000	10.000000
23	1.058307	0.751829	1.407642	1.293977	-9.960674	-0.104331	-1.086282	-2.405700	-0.024595	40.000000	15.000000	15.000000
24	1.096637	0.769400	1.4253315	1.334634-10.	325464	-0.115510	-1.149782	-2.530687	-0.033065	40.000000	15.000000	20.000000
25	0.973139	0.822977	1.182462	1.270046	-9.868567	-0.106180	-1.033078	-2.343876	-0.019145	45.000000	15.000000	0.000000
26	1.013107	0.862691	1.174357	1.326390	-10.137997	-0.106360	-1.063660	-2.37631	-0.017347	45.000000	15.000000	0.000000
27	0.997828	0.846331	1.179005	1.304048-10.	0.252156	-0.107124	-1.080568	-2.402611	-0.012733	45.000000	15.000000	15.000000
28	0.998958	0.851826	1.172726	1.308702-10.	0.06141	-0.104038	-1.098320	-2.398557	-0.01424	45.000000	15.000000	20.000000
29	-	0.894852	0.919550	0.973142	1.279616-10.	0.13382	-0.094421	-0.999656	-0.000458	50.000000	15.000000	0.000000
30	0.934204	0.958644	0.974505	1.334859-10.	1.58844	-0.099436	-0.989596	-2.535729	-0.00669	50.000000	15.000000	0.000000
31	0.935026	0.960499	0.973480	1.336809-10.	2.34838	-0.098874	-0.983548	-2.512932	-0.001035	50.000000	15.000000	15.000000
32	0.945803	0.963030	0.982112	1.345673-10.	302214	-0.105503	-1.038135	-2.577191	-0.005826	50.000000	15.000000	20.000000
33	0.836153	1.035137	0.807770	1.327532-10.	351940	-0.091205	-0.933349	-2.595493	0.006271	55.000000	15.000000	0.000000
34	0.825607	1.024000	0.806257	1.312360-10.	1.654446	-0.088954	-0.916117	-2.554327	0.005278	55.000000	15.000000	10.000000
35	0.839716	1.042427	0.805539	1.335548-10.	3.49274	-0.089943	-0.948421	-2.597290	0.002051	55.000000	15.000000	15.000000
36	0.846601	1.037147	0.815778	1.334874-10.	4.40072	-0.098185	-0.981993	-2.610740	0.001034	55.000000	15.000000	20.000000

RUN # F7575, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.239395	0.111622	-2.144691	-0.239395	1.845502	0.111622	0.743097	0.479245	0.026669	0.000000-15.000000	0.000000	
2	-0.224014	0.108392	-2.066699	-0.224014	1.839293	0.108392	0.738254	0.460165	0.028331	0.000000-15.000000	10.000000	
3	-0.241270	0.114367	-2.109609	-0.241270	1.912626	0.114367	0.758299	0.486081	0.028933	0.000000-15.000000	15.000000	
4	-0.229807	0.110598	-2.077853	-0.229807	1.905471	0.110598	0.736488	0.464968	0.031022	0.000000-15.000000	20.000000	
5	0.089982	0.102326	0.869588	0.105399	-0.917026	0.085320	0.463786	-0.206362	0.028367	10.000000-15.000000	0.000000	
6	0.094447	0.104736	0.903675	0.111396	-0.874390	0.086709	0.449194	-0.192661	0.027683	10.000000-15.000000	10.000000	
7	0.092115	0.108432	0.852291	0.109840	-0.923132	0.090737	0.451351	-0.182973	0.028119	10.000000-15.000000	15.000000	
8	0.103293	0.100947	1.023238	0.119253	-0.932453	0.081477	0.443467	-0.197353	0.027714	10.000000-15.000000	20.000000	
9	0.418627	0.158486	2.641419	0.447586	-3.568347	0.005749	-0.346118	-0.777826	-0.013139	20.000000-15.000000	0.000000	
10	0.462211	0.172018	2.686995	0.493169	-3.839878	0.033559	-0.395325	-0.804403	-0.014694	20.000000-15.000000	10.000000	
11	0.446435	0.165346	2.699997	0.476063	-3.791720	0.002685	-0.389978	-0.829799	-0.015012	20.000000-15.000000	15.000000	
12	0.475694	0.171298	2.776812	0.505565	-3.913223	-0.001718	-0.420130	-0.852750	-0.016866	20.000000-15.000000	20.000000	
13	0.824412	0.310975	2.651059	0.869449	-6.909164	-0.142894	-1.528322	-1.422830	-0.094611	30.000000-15.000000	0.000000	
14	0.814764	0.306607	2.659089	0.858810	-6.905322	-0.142025	-1.565750	-1.460464	-0.095930	30.000000-15.000000	10.000000	
15	0.806149	0.296807	2.716075	0.865459	-6.196666	-0.146032	-1.456255	-1.456458	-0.098602	30.000000-15.000000	15.000000	
16	0.822796	0.303818	2.708255	0.864467	-6.869170	-0.148290	-1.598929	-1.486495	-0.101105	30.000000-15.000000	20.000000	
17	0.888055	0.419125	2.1118830	0.967853	-7.623282	-0.166040	-1.753238	-1.574474	-0.101452	35.000000-15.000000	0.000000	
18	0.837961	0.387450	2.162761	0.988649	-7.391891	-0.163254	-1.734292	-1.552406	-0.108274	35.000000-15.000000	10.000000	
19	0.873236	0.415488	2.101783	0.953551	-7.605689	-0.165336	-1.763699	-1.596434	-0.108304	35.000000-15.000000	15.000000	
20	0.889343	0.41676	2.131886	0.967445	-7.647136	-0.168866	-1.815539	-1.611864	-0.106946	35.000000-15.000000	20.000000	
21	0.847979	0.527673	1.607017	0.988771	-7.628550	-0.140849	-1.647631	-1.553615	-0.089400	40.000000-15.000000	0.000000	
22	0.841938	0.500945	1.680566	0.966899	-7.752427	-0.157410	-1.726205	-1.603211	-0.087353	40.000000-15.000000	10.000000	
23	0.887736	0.522741	1.683197	1.019059	-7.976870	-0.166605	-1.744243	-1.674248	-0.094533	40.000000-15.000000	15.000000	
24	0.899500	0.525555	1.711526	1.026877	-8.258432	-0.175589	-1.853926	-1.738381	-0.099482	40.000000-15.000000	20.000000	
25	0.826876	0.605506	1.365594	1.012847	-7.848458	-0.156531	-1.690525	-1.689257	-0.077743	45.000000-15.000000	0.000000	
26	0.824851	0.614902	1.341435	1.018059	-7.968690	-0.148456	-1.721402	-1.714333	-0.078207	45.000000-15.000000	10.000000	
27	0.847465	0.619141	1.367047	1.053704	-8.199235	-0.161449	-1.762903	-1.773356	-0.084064	45.000000-15.000000	15.000000	
28	0.854749	0.627883	1.361319	1.048379	-8.250963	-0.160418	-1.780705	-1.781854	-0.08056	45.000000-15.000000	20.000000	
29	0.797253	0.702575	1.134759	1.050668	-8.167397	-0.159124	-1.770773	-1.819150	-0.067551	50.000000-15.000000	0.000000	
30	0.803154	0.703671	1.141377	1.055301	-8.208483	-0.162940	-1.732427	-1.819894	-0.064048	50.000000-15.000000	10.000000	
31	0.801431	0.708495	1.131174	1.057888	-8.199235	-0.158519	-1.698851	-1.819615	-0.060737	50.000000-15.000000	15.000000	
32	0.811331	0.715262	1.134313	1.069436	-8.274652	-0.161753	-1.782890	-1.834983	-0.067751	50.000000-15.000000	20.000000	
33	0.755221	0.790183	0.955755	1.080457	-8.448327	-0.165410	-1.784737	-1.973458	-0.055488	55.000000-15.000000	0.000000	
34	0.765629	0.809665	0.945612	1.102385	-8.673354	-0.162761	-1.810077	-2.012578	-0.054575	55.000000-15.000000	10.000000	
35	0.758733	0.802109	0.958389	1.097976	-8.641719	-0.169637	-1.827891	-2.010180	-0.054819	55.000000-15.000000	15.000000	
36	0.775206	0.821046	0.944169	1.117201	-8.713866	-0.164078	-1.848638	-2.033561	-0.057162	55.000000-15.000000	20.000000	

RUN # F7576, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	FJET
1	-0.019471	0.109605	-0.177644	-0.019471	0.150674	0.109605	0.546045	-0.159817	0.047500	0.000000	0.000000	0.000000
2	-0.029199	0.107943	-0.20501	-0.029199	0.256627	0.107943	0.570262	-0.131596	0.046570	0.000000	0.000000	10.000000
3	-0.033123	0.108895	-0.304171	-0.033123	0.277799	0.108895	0.568176	-0.111825	0.043838	0.000000	0.000000	15.000000
4	-0.036991	0.111401	-0.332055	-0.036991	0.312323	0.111401	0.571204	-0.111007	0.045950	0.000000	0.000000	20.000000
5	0.331552	0.145331	2.281357	0.351752	-2.713365	0.085550	0.314569	-0.84188	0.051010	10.000000	0.000000	0.000000
6	0.320840	0.141197	2.212282	0.340184	-2.741030	0.083339	0.320092	-0.798091	0.050976	10.000000	0.000000	10.000000
7	0.326040	0.145839	2.235613	0.346412	-2.745664	0.087007	0.322604	-0.809353	0.051258	10.000000	0.000000	15.000000
8	0.316933	0.142867	2.218385	0.336927	-2.647672	0.085661	0.336354	-0.815663	0.050607	10.000000	0.000000	20.000000
9	0.720596	0.236277	3.049795	0.757950	-5.948337	-0.024431	-0.640518	-1.542433	0.002500	20.000000	0.000000	0.000000
10	0.719952	0.246113	2.925286	0.760109	-5.993745	-0.014967	-0.653381	-1.545403	0.000364	20.000000	0.000000	10.000000
11	0.725059	0.246729	2.938989	0.765719	-6.085245	-0.016135	-0.648846	-1.587303	0.000431	20.000000	0.000000	15.000000
12	0.717768	0.243172	2.951694	0.757651	-6.053521	-0.016984	-0.652570	-1.596048	0.003252	20.000000	0.000000	20.000000
13	0.979105	0.413471	2.366014	1.054665	-8.436833	-0.131476	-1.532420	-1.942437	0.066651	30.000000	0.000000	0.000000
14	1.000289	0.427974	2.337264	1.080263	-8.282283	-0.129507	-1.489266	-1.956977	0.06523	30.000000	0.000000	10.000000
15	1.078254	0.409416	2.389386	1.051901	-8.400773	-0.134562	-1.526667	-1.979544	0.067178	30.000000	0.000000	15.000000
16	0.967305	0.399832	2.419781	1.037800	-8.442277	-0.137488	-1.566424	-1.985365	0.070278	30.000000	0.000000	20.000000
17	0.974879	0.512124	1.899559	1.092942	-8.616974	-0.138767	-1.505019	-1.942437	0.070222	35.000000	0.000000	0.000000
18	1.004407	0.53040	1.887277	1.127681	-8.842252	-0.140110	-1.547605	-2.050229	0.072478	35.000000	0.000000	10.000000
19	1.014488	0.535223	1.900777	1.137151	-8.926777	-0.144686	-1.575898	-2.061548	0.072536	35.000000	0.000000	15.000000
20	1.024316	0.536687	1.908590	1.146902	-9.026303	-0.147895	-1.590088	-2.082942	0.071215	35.000000	0.000000	20.000000
21	0.934454	0.621573	1.503693	1.115526	-8.704449	-0.124631	-1.403780	-1.994130	-0.044502	40.000000	0.000000	0.000000
22	0.948123	0.621534	1.519088	1.128207	-8.844166	-0.131406	-1.433517	-2.017398	-0.040224	40.000000	0.000000	10.000000
23	0.975539	0.634620	1.537177	1.155239	-8.984900	-0.140909	1.467603	-2.052684	-0.029385	40.000000	0.000000	15.000000
24	1.003346	0.641343	1.564603	1.180932	-9.229850	-0.153705	-1.465807	-2.105239	-0.00321	40.000000	0.000000	20.000000
25	0.825772	0.557755	1.480529	1.096697	-8.780540	-0.189516	-1.139248	-1.753013	0.210802	45.000000	0.000000	0.000000
26	0.836558	0.543613	1.538518	0.975787	-8.288160	-0.207002	-1.138678	-1.745853	0.212334	45.000000	0.000000	10.000000
27	0.848598	0.567960	1.494114	1.001658	-8.469482	-0.198440	-1.132956	-1.788869	0.207110	45.000000	0.000000	15.000000
28	0.848300	0.552484	1.535428	0.990504	-8.518250	-0.209173	-1.151631	-1.781857	0.256106	45.000000	0.000000	20.000000
29	0.820965	0.742764	1.105284	1.096697	-8.780540	-0.151455	-1.208541	-2.017133	0.095057	50.000000	0.000000	0.000000
30	0.839633	0.740796	1.133434	1.107195	-8.874644	-0.167029	-1.251340	-2.026538	0.107112	50.000000	0.000000	10.000000
31	0.818998	0.733887	1.115946	1.088619	-8.870354	-0.155639	-1.223722	-2.012168	0.115441	50.000000	0.000000	15.000000
32	0.833628	0.721689	1.159263	1.090620	-8.902557	-0.177000	-1.212038	-2.198056	0.145691	50.000000	0.000000	20.000000
33	0.169443	1.810258	0.993436	1.579892-11.088113	0.899769	-1.399857	3.311368	-1.418682	0.288875	55.000000	0.000000	0.000000
34	0.173340	1.828702	0.994789	1.597408-11.192426	0.906909	-1.341469	3.311667	-1.422149	0.288480	55.000000	0.000000	10.000000
35	0.181514	1.802023	0.100728	1.580242-11.2498867	0.884911	-1.233837	3.233837	-1.403333	0.292207	55.000000	0.000000	15.000000
36	0.184682	1.796736	0.102787	1.577728-11.179298	0.879284	-1.223722	3.233837	-1.403333	0.292207	55.000000	0.000000	20.000000

RUN # E7577, Velocity = 100 ft./ sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	P_JET
1	-0.224013	0.127211	-1.760555	-0.224013	1.887608	0.127211	0.816194	0.454180	0.032379	0.000000-15.000000	0.000000	
2	-0.249717	0.125610	-1.988838	-0.249717	1.988837	0.125610	0.811768	0.462142	0.030684	0.000000-15.000000	10.000000	
3	-0.234669	0.120225	-1.951921	-0.234669	1.899988	0.120225	0.783611	0.54798	0.026967	0.000000-15.000000	15.000000	
4	-0.228720	0.120747	-1.894211	-0.228720	1.879551	0.120747	0.771666	0.452540	0.024404	0.000000-15.000000	20.000000	
5	0.096977	0.098306	0.986683	0.112574	-0.919082	0.079972	0.481127	-0.211059	0.033482	10.000000-15.000000	0.000000	
6	0.086008	0.096136	0.894643	0.101395	-0.865238	0.079141	0.497173	-0.192646	0.033263	10.000000-15.000000	10.000000	
7	0.089008	0.103167	0.862265	0.105571	-0.886634	0.086143	0.493352	-0.192158	0.031075	10.000000-15.000000	15.000000	
8	0.084275	0.098881	0.855292	0.100165	-0.887221	0.082744	0.502263	-0.200950	0.033504	10.000000-15.000000	20.000000	
9	0.445372	0.153762	2.896501	0.471103	-3.695734	-0.007837	-0.327912	-0.808028	-0.013837	20.000000-15.000000	0.000000	
10	0.449624	0.156537	2.872320	0.476047	-3.707548	-0.006684	-0.316851	-0.808195	-0.013840	20.000000-15.000000	10.000000	
11	0.461756	0.156253	2.955585	0.487350	-3.888608	-0.011100	-0.359576	-0.840829	-0.013232	20.000000-15.000000	15.000000	
12	0.480047	0.167959	2.8588129	0.508542	-3.985228	-0.006356	-0.382462	-0.866187	-0.012521	20.000000-15.000000	20.000000	
13	0.808919	0.296246	2.730567	0.8486667	-6.926136	-0.147903	-1.489367	-1.420475	-0.091567	30.000000-15.000000	0.000000	
14	0.823820	0.303166	2.717387	0.865032	-6.871235	-0.144360	-1.49025	-1.403669	-0.092045	30.000000-15.000000	10.000000	
15	0.829487	0.306769	2.703946	0.871741	-6.883015	-0.145073	-1.498352	-1.419594	-0.090180	30.000000-15.000000	15.000000	
16	0.828957	0.306174	2.707474	0.870985	-7.006023	-0.143324	-1.5119282	-1.441847	-0.090032	30.000000-15.000000	20.000000	
17	0.865051	0.403821	2.142166	0.940230	-7.482654	-0.165382	-1.684463	-1.547351	-0.097067	35.000000-15.000000	0.000000	
18	0.882791	0.408951	2.158674	0.957704	-7.521290	-0.171355	-1.6739489	-1.537518	-0.099278	35.000000-15.000000	10.000000	
19	0.888084	0.413902	2.145637	0.964880	-7.592995	-0.170335	-1.681028	-1.547733	-0.095365	35.000000-15.000000	15.000000	
20	0.899237	0.415678	2.163300	0.975035	-7.799225	-0.17277	-1.74494	-1.600467	-0.099669	35.000000-15.000000	20.000000	
21	0.850939	0.506159	1.681167	0.977210	-7.649915	-0.159232	-1.595659	-1.547351	-0.081908	40.000000-15.000000	0.000000	
22	0.882289	0.530537	1.663010	0.016895	-7.855433	-0.160709	-1.631096	-1.628800	-0.081048	40.000000-15.000000	10.000000	
23	0.885729	0.525488	1.685535	0.016285	-8.012832	-0.166788	-1.70436	-1.675457	-0.084712	40.000000-15.000000	15.000000	
24	0.930901	0.549910	1.692822	0.065687	-8.384190	-0.171715	-1.770799	-1.755100	-0.088607	40.000000-15.000000	20.000000	
25	0.787923	0.573516	1.373847	0.962683	-7.703393	-0.151608	-1.467110	-1.569981	-0.026649	45.000000-15.000000	0.000000	
26	0.831617	0.607562	1.368776	0.017653	-7.957258	-0.158430	-1.597461	-1.634171	-0.068442	45.000000-15.000000	10.000000	
27	0.844803	0.613742	1.376478	0.031347	-8.079333	-0.163384	-1.638922	-1.720328	-0.071553	45.000000-15.000000	15.000000	
28	0.882449	0.640671	1.377384	0.077008	-8.344250	-0.170963	-1.688169	-1.750502	-0.075357	45.000000-15.000000	20.000000	
29	0.801353	0.712432	1.124812	1.060854	-8.187654	-0.155928	-1.643393	-1.794756	-0.059875	50.000000-15.000000	0.000000	
30	0.794327	0.696092	1.141123	1.043821	-8.228458	-0.161050	-1.665744	-1.801864	-0.060699	50.000000-15.000000	10.000000	
31	0.799700	0.713123	1.121405	1.060321	-8.227581	-0.154218	-1.657189	-1.812545	-0.057628	50.000000-15.000000	15.000000	
32	0.830829	0.742946	1.118290	1.103176	-8.422838	-0.158895	-1.701605	-1.840652	-0.064085	50.000000-15.000000	20.000000	
33	0.762557	0.804140	0.948289	1.096098	-8.540999	-0.163414	-1.733511	-1.992375	-0.053702	55.000000-15.000000	0.000000	
34	0.751489	0.790356	0.950822	1.078458	-8.531408	-0.162253	-1.705810	-1.96929	-0.055876	55.000000-15.000000	10.000000	
35	0.764378	0.807394	0.946723	1.09808	-8.675237	-0.163039	-1.727051	-1.964318	-0.057386	55.000000-15.000000	15.000000	
36	0.759581	0.800439	0.948955	1.091359	-8.655926	-0.163098	-1.74946	-1.973882	-0.057599	55.000000-15.000000	20.000000	

RUN # F7578, Velocity = 100 ft./sec.

	CL	CD	CLCD	CN	CM	CY	CYM	CRM	CA	ALPHA	FLAP	PJET
1	-0.219126	0.119316	-1.836519	-0.219126	1.787190	0.119316	0.704155	0.424770	0.029411	0.000000-15.000000	0.000000	
2	-0.224670	0.114418	-1.963588	-0.224670	1.839040	0.114418	0.709392	0.442363	0.026336	0.000000-15.000000	10.000000	
3	-0.236956	0.119368	-1.985087	-0.236956	1.887531	0.119368	0.699586	0.458209	0.023116	0.000000-15.000000	15.000000	
4	-0.234432	0.122759	-1.909698	-0.234432	1.899427	0.122759	0.720175	0.463913	0.020819	0.000000-15.000000	20.000000	
5	0.093783	0.115722	0.810417	0.112453	-0.915951	0.097679	0.419786	-0.214640	0.027900	10.000000-15.000000	0.000000	
6	0.087882	0.112769	0.779308	0.106129	-0.842017	0.095796	0.437701	-0.194971	0.030104	10.000000-15.000000	10.000000	
7	0.085070	0.110874	0.767266	0.103030	-0.812346	0.094417	0.436432	-0.187437	0.027341	10.000000-15.000000	15.000000	
8	0.085883	0.110937	0.774160	0.103843	-0.820870	0.094339	0.433407	-0.185136	0.027226	10.000000-15.000000	20.000000	
9	0.429338	0.158030	2.716820	0.457495	-3.609850	0.001657	-0.396435	-0.807207	-0.016433	20.000000-15.000000	0.000000	
10	0.420692	0.160751	2.617034	0.450301	-3.610583	0.007172	-0.389345	-0.785250	-0.018672	20.000000-15.000000	10.000000	
11	0.45015	0.170780	2.605772	0.476587	-3.698917	0.008277	-0.397855	-0.794644	-0.015297	20.000000-15.000000	15.000000	
12	0.437096	0.170642	2.561479	0.469099	-3.768792	0.010856	-0.413959	-0.828356	-0.017551	20.000000-15.000000	20.000000	
13	0.809142	0.305949	2.644694	0.853712	-6.823740	-0.139611	-1.545961	-1.426356	-0.095103	30.000000-15.000000	0.000000	
14	0.819539	0.318199	2.575552	0.868841	-6.897082	-0.134200	-1.537639	-1.416855	-0.093334	30.000000-15.000000	10.000000	
15	0.827032	0.322521	2.564271	0.877491	-6.907820	-0.134204	-1.550630	-1.427855	-0.093522	30.000000-15.000000	15.000000	
16	0.821332	0.318915	2.575397	0.870752	-6.921212	-0.134477	-1.576816	-1.461529	-0.093637	30.000000-15.000000	20.000000	
17	0.872588	0.421739	2.069024	0.956682	-7.551123	-0.155027	-1.737607	-1.556890	-0.102663	35.000000-15.000000	0.000000	
18	0.870222	0.419415	2.075564	0.953656	-7.494122	-0.155446	-1.705072	-1.541397	-0.104577	35.000000-15.000000	10.000000	
19	0.863153	0.407352	2.137832	0.938636	-7.510070	-0.164550	-1.723111	-1.553001	-0.102527	35.000000-15.000000	15.000000	
20	0.883375	0.417150	2.115969	0.963468	-7.703283	-0.164770	-1.764560	-1.590649	-0.103806	35.000000-15.000000	20.000000	
21	0.851367	0.519858	1.637690	0.986344	-7.693569	-0.149013	1.649796	-1.604902	-0.086852	40.000000-15.000000	0.000000	
22	0.882256	0.523392	1.685882	1.012271	-7.998221	-0.151231	1.704799	-1.667750	-0.094455	40.000000-15.000000	10.000000	
23	0.880323	0.541250	1.626632	1.022282	-7.989821	-0.152321	1.704799	-1.660712	-0.095153	40.000000-15.000000	15.000000	
24	0.917046	0.544221	1.685991	1.052310	-8.250734	-0.172575	-1.824174	-1.742444	-0.096697	40.000000-15.000000	20.000000	
25	0.826294	0.602185	1.372159	1.010087	-7.868835	-0.158468	-1.675378	1.671555	-0.081497	45.000000-15.000000	0.000000	
26	0.845411	0.617844	1.368322	1.034678	-7.971749	-0.160913	-1.703914	-1.672267	-0.075949	45.000000-15.000000	10.000000	
27	0.858545	0.636953	1.347995	1.057477	-8.128349	-0.156689	-1.682111	-1.735061	-0.079125	45.000000-15.000000	15.000000	
28	0.881747	0.635993	1.386610	1.073204	-8.437151	-0.173774	-1.775422	-1.805976	-0.082307	45.000000-15.000000	20.000000	
29	0.782745	0.702415	1.114363	1.041220	-8.151526	-0.148113	-1.684792	-1.767287	-0.062455	50.000000-15.000000	0.000000	
30	0.822044	0.728684	1.128121	1.086604	-8.308974	-0.161332	-1.731132	-1.828564	-0.066335	50.000000-15.000000	10.000000	
31	0.812015	0.719734	1.128215	1.073302	-8.307256	-0.159403	-1.704081	-1.825304	-0.062249	50.000000-15.000000	15.000000	
32	0.832375	0.757463	1.098899	1.115290	-8.514449	-0.150748	-1.743666	-1.861717	-0.061381	50.000000-15.000000	20.000000	
33	0.759219	0.806946	0.940855	1.096482	-8.517585	-0.159070	-1.738925	-1.960244	-0.056280	55.000000-15.000000	0.000000	
34	0.765003	0.805709	0.949478	1.098786	-8.573502	-0.164517	-1.743553	-1.977944	-0.055605	55.000000-15.000000	10.000000	
35	0.765710	0.798648	0.958758	1.093408	-8.532357	-0.169147	-1.764456	-1.977700	-0.058533	55.000000-15.000000	15.000000	
36	0.776664	0.818284	0.949138	1.115776	-8.653821	-0.166857	-1.759599	-1.059949	-0.059949	55.000000-15.000000	20.000000	